

REDACTED

188861

United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of

Inclusive Dates: 3/11/13 - 3/15/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)		<u>OTIE</u> , Team Leader
		<u>AES</u>

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Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

(b) (6)

ADDRESS:

Cv0614

DATE: 3/12/13

ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

37°F, sunny, wind NW @ 8 MPH

PROPERTY COMMENTS:

No resident answers door. Corner lot

C. Traino (Goodarth Mills Laywood (GMC)) split
samples.

Grid for property sketch

Alley

B-2

2 Roles

B-4

B-3

B-5

Garage

Concrete

Shed

Carport

Conduit

(b) (6)

Hurst

Sidewalk

A-3

A-2

A-1

(b) (6)

(b) (6)

(b) (6)

STATION ID: CV0614A SAMPLE ID: CV0614A-CS-SP

SAMPLE COLLECTION TIME: 08243

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CV0614A

GPS Coordinates: Trimble X Instrument #: 18594 Logged? Ø or N

Aliquot #1: Latitude: 33.55566743 N Longitude 86.80433376 W
Media description: alluvium silt moist

Aliquot #2: Latitude: 33.55568512 N Longitude 86.80436211 W
Media description: sand & #1

Aliquot #3: Latitude: 33.55560656 N Longitude 86.80434023 W
Media description: sand & #1

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

STATION ID: CV0614B SAMPLE ID: CV0614B-CS-SP

SAMPLE COLLECTION TIME: 0855

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CV0614B

GPS Coordinates: Trimble X Instrument #: 18594 Logged? Ø or N

Aliquot #1: Latitude: 33.55572227 N Longitude 86.80401475 W
Media description: brown sandy silt

Aliquot #2: Latitude: 33.55571677 N Longitude 86.80392787 W
Media description: sand & #1

Aliquot #3: Latitude: 33.55565618 N Longitude 86.80398877 W
Media description: sand & #1

Aliquot #4: Latitude: 33.55562175 N Longitude 86.80396370 W
Media description: sand & #1

Aliquot #5: Latitude: 33.55560593 N Longitude 86.80403956 W
Media description: sand & #1

(b) (6)

ADDRESS:

PROPERTY ID: CR0150

DATE: 3/12/13

ARRIVAL TIME: 0915

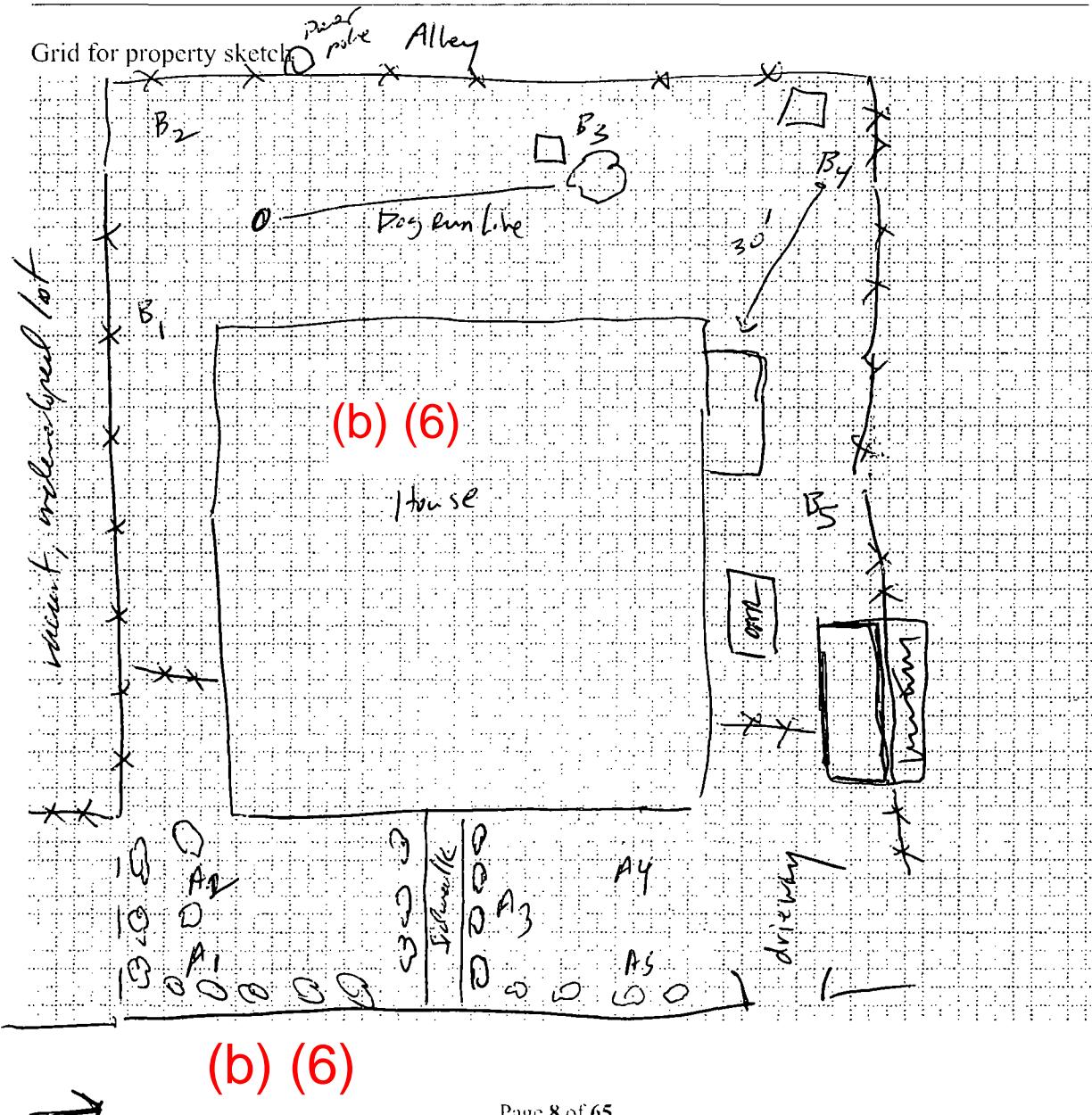
Other pertinent information (weather conditions, etc.):

40° F, sunny w/ NW 6 mph

PROPERTY COMMENTS:

Resident @ home. C. Thao -o (CNC) splits samples

Grid for property sketch:



STATION ID: CVO150A SAMPLE ID: CVO150A-CS-S10

SAMPLE COLLECTION TIME: 0935

Description of sample location (front, back, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u>	or	Grab	MS/MSD? Y or <u>N</u>
Field Duplicate or Split: <u>Yes</u> or No If yes, indicate Duplicate/split sample station ID: <u>CVO150A</u>			
GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>			Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55906523</u> N Longitude <u>86.80590021</u>			W
Media description: <u>brown silty clay moist</u>			
Aliquot #2: Latitude: <u>33.55906485</u> N Longitude <u>86.80594432</u>			W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55910993</u> N Longitude <u>86.80591767</u>			W
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.55913929</u> N Longitude <u>86.80593981</u>			W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.55914083</u> N Longitude <u>86.80589971</u>			W
Media description: <u>same as #1</u>			

STATION ID: CVO150B SAMPLE ID: CVO150B-CS-S10

SAMPLE COLLECTION TIME: 0947

Description of sample location (front, back, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u>	or	Grab	MS/MSD? Y or <u>N</u>
Field Duplicate or Split: <u>Yes</u> or No If yes, indicate Duplicate/split sample station ID: <u>CVO150B</u>			
GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>			Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55905751</u> N Longitude <u>86.80612988</u>			W
Media description: <u>brown silty clay wet</u>			
Aliquot #2: Latitude: <u>33.55905899</u> N Longitude <u>86.80615933</u>			W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55917591</u> N Longitude <u>86.80613560</u>			W
Media description: <u>dk brown/brown silty clay moist</u>			
Aliquot #4: Latitude: <u>33.55923211</u> N Longitude <u>86.80610504</u>			W
Media description: <u>same as #3</u>			
Aliquot #5: Latitude: <u>33.55922882</u> N Longitude <u>86.80604831</u>			W
Media description: <u>same as #3</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: CVO169

DATE: 3/12/13 ARRIVAL TIME: 1000

Other pertinent information (weather conditions, etc.):

41° F, sunny, wind NW @ 7 mph.

PROPERTY COMMENTS:

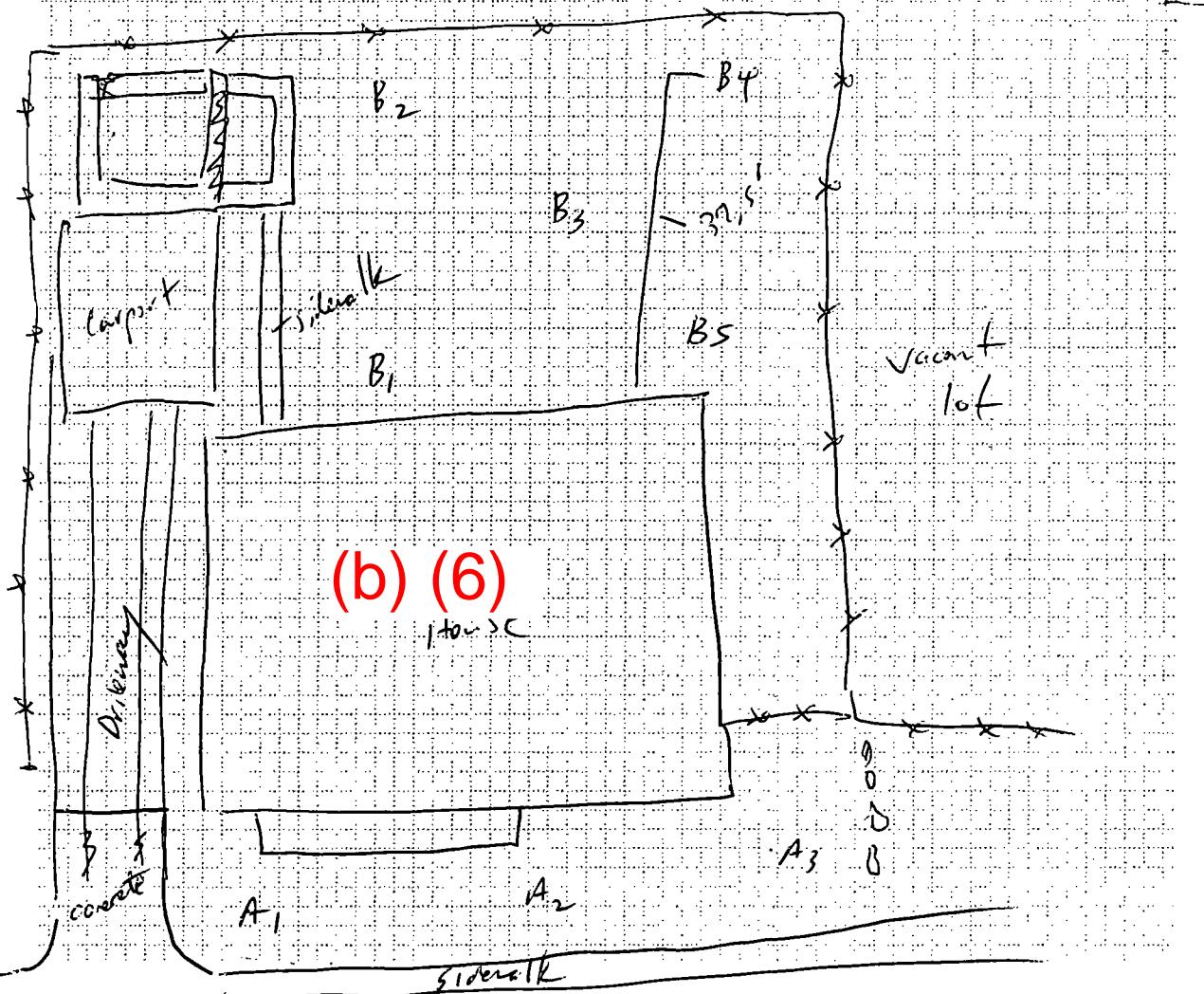
No visible damage.

C. Toians (6mc) split samples

Appears to have new soil in front yard

Grid for property sketch

A/Hay



STATION ID: CV0169A SAMPLE ID: CV0169A-CS-SP

SAMPLE COLLECTION TIME: 1010

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55776621</u>	N Longitude	<u>86.80414093</u> W
Media description:	<u>brown silty clay moist</u>		
Aliquot #2: Latitude:	<u>33.55780013</u>	N Longitude	<u>86.80413623</u> W
Media description:	<u>sand as #1</u>		
Aliquot #3: Latitude:	<u>33.55785034</u>	N Longitude	<u>86.80415182</u> W
Media description:	<u>sand as #1</u>		
Aliquot #4: Latitude:		N Longitude	
Media description:			
Aliquot #5: Latitude:		N Longitude	
Media description:			

STATION ID: CV0169B SAMPLE ID: CV0169B-CS-SP

SAMPLE COLLECTION TIME: 1022

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CV0169B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55779351</u>	N Longitude	<u>86.80436229</u> W
Media description:	<u>dark brown silt w/ con / fragm ts</u>		
Aliquot #2: Latitude:	<u>33.55779818</u>	N Longitude	<u>86.80446095</u> W
Media description:	<u>sand as #1</u>		
Aliquot #3: Latitude:	<u>33.55782955</u>	N Longitude	<u>86.80441584</u> W
Media description:	<u>sand as #1</u>		
Aliquot #4: Latitude:	<u>33.55785253</u>	N Longitude	<u>86.80446723</u> W
Media description:	<u>sand as #1</u>		
Aliquot #5: Latitude:	<u>33.55783720</u>	N Longitude	<u>86.80437320</u> W
Media description:	<u>sand as #1</u>		

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0227

DATE: 3/12/13 ARRIVAL TIME: 1034

Other pertinent information (weather conditions, etc.):

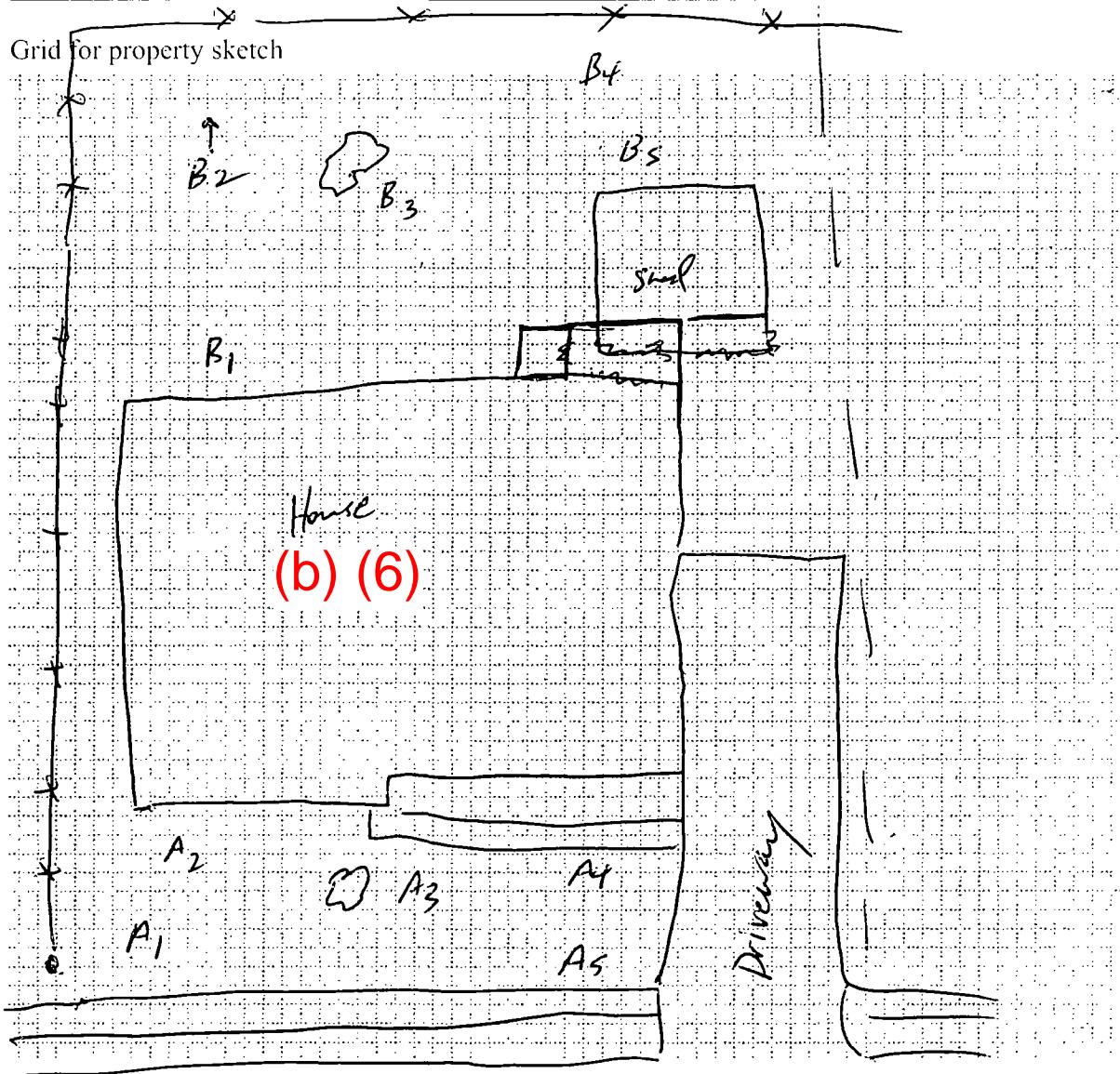
43° F, sunny, wind NW @ 7 MPH

PROPERTY COMMENTS:

No resident @ home.

C. Troiano (Gmc) splits samples

Grid for property sketch



(b) (6)

STATION ID: CV0227A SAMPLE ID: CV0227A-CS-SP

SAMPLE COLLECTION TIME: 1045

Description of sample location (front, back, side~~yard~~ vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: No or No If yes, indicate Duplicate/split sample station ID: CV0227A

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N

Aliquot #1: Latitude: 33.557648571 N Longitude 86.80158482 W

Media description: brown silty clay

Aliquot #2 Latitude: 33.55649636 N Longitude 86.80152788 W

Media description: sand as #1

Aliquot #3: Latitude: 33.55644680 N Longitude 86.80155379 W

Media description: sand as #1

Aliquot #4: Latitude: 33.55641122 N Longitude 86.80153412 W

Media description: sand as #1

Aliquot #5: Latitude: 33.5564221 N Longitude 86.80158998 W

Media description: sand as #1

STATION ID: CV0227B SAMPLE ID: CV0227B-CS-SP

SAMPLE COLLECTION TIME: 1100

Description of sample location (front, back, side~~yard~~ vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N

Aliquot #1: Latitude: 33.55646596 N Longitude 86.80129981 W

Media description: brown silty clay w/ f

Aliquot #2 Latitude: 33.55647037 N Longitude 86.80122653 W

Media description: sand as #1

Aliquot #3: Latitude: 33.55642812 N Longitude 86.80125155 W

Media description: sand as #1

Aliquot #4: Latitude: 33.55639605 N Longitude 86.80119292 W

Media description: sand as #1

Aliquot #5: Latitude: 33.55639668 N Longitude 86.80127179 W

Media description: sand as #1

(b) (6)

ADDRESS (5) (5) _____ **PROPERTY ID:** APOORI _____

DATE: 3/12/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

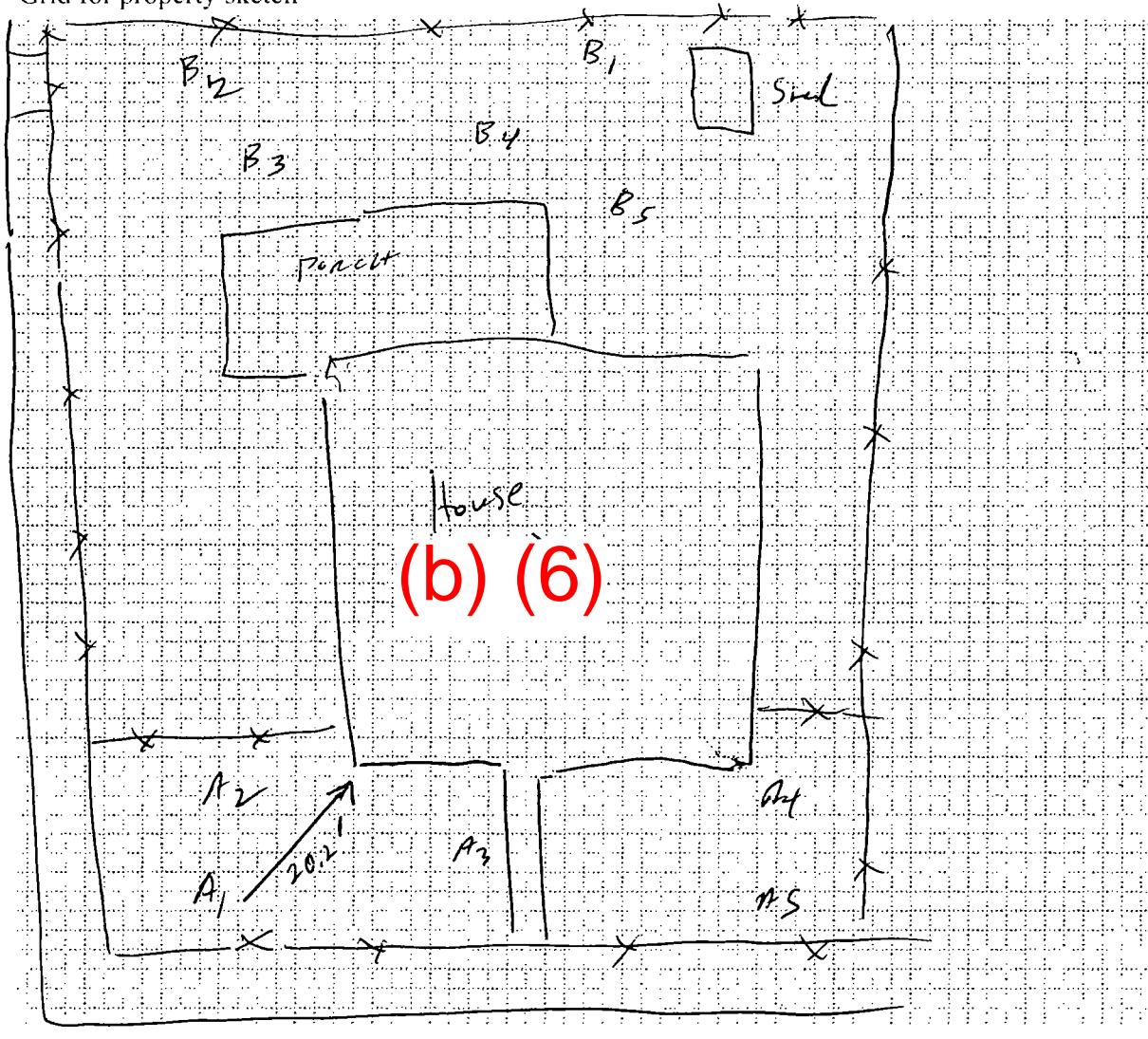
49°F, sunny, wind NNE c10-15.

PROPERTY COMMENTS:

President not @ home.

C. Prokano (ame) splits samples

Grid for property sketch



(b) (6)

STATION ID: HP002/A SAMPLE ID: HP002A-CS-SP

SAMPLE COLLECTION TIME: 1254

Description of sample location (front, back, side ~~card~~ vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP002/A

GPS Coordinates: Trimble Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33.56760250 N Longitude 86.790844557 W
Media description: brown silty clay
Aliquot #2: Latitude: 33.56761004 N Longitude 86.79091102 W
Media description: sand as # 1
Aliquot #3: Latitude: 33.56764842 N Longitude 86.79087833 W
Media description: sand as # 1
Aliquot #4: Latitude: 33.567649756 N Longitude 86.79089749 W
Media description: sand as # 1
Aliquot #5: Latitude: 33.56769460 N Longitude 86.79083511 W
Media description: sand as # 1

STATION ID: HP 002/B SAMPLE ID: HP002/B-CS-SP

SAMPLE COLLECTION TIME: 1307

Description of sample location (front, back, side ~~card~~ vegetable garden; play set; ditch, etc):

back yard site yard nearest 45A PC N

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP002/B

GPS Coordinates: Trimble Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33.56768734 N Longitude 86.7912635 W
Media description: b/k silt w/coal fragments
Aliquot #2: Latitude: 33.56763803 N Longitude 86.79126789 W
Media description: b/k silt w/coal fragments
Aliquot #3: Latitude: 33.56763666 N Longitude 86.79116146 W
Media description: reddish brown silty clay w/coal fragments
Aliquot #4: Latitude: 33.56770704 N Longitude 86.79116449 W
Media description: sand as # 3
Aliquot #5: Latitude: 33.56768483 N Longitude 86.79112711 W
Media description: sand as # 3

ADDRESS (b) (6)

DATE: 3/12/13

PROPERTY ID: 440047

ARRIVAL TIME: 1320

Other pertinent information (weather conditions, etc.):

52°F, sunny, wind NW @ 6 MPH

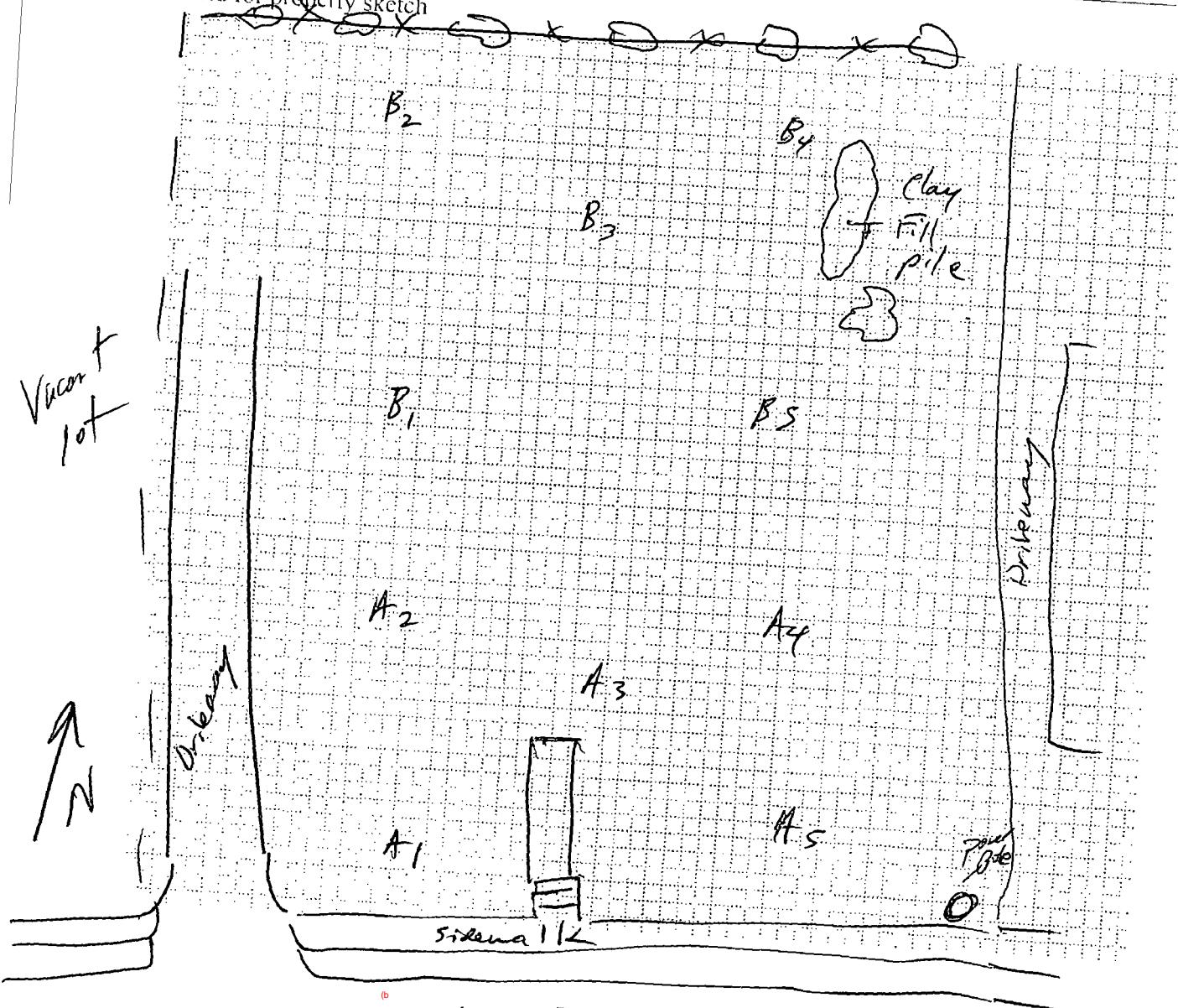
PROPERTY COMMENTS:

Vacant, undeveloped lot

surface material appears to be clay

fill (see photos of clay fill pile on
northeast side of lot). C. Morano (anc)
splits samples.

Grid for property sketch



(b) (6)

STATION ID: H70047A SAMPLE ID: H70047A-CS-SP

SAMPLE COLLECTION TIME: 1340

Description of sample location (front/back, side yard; vegetable garden; play set; ditch, etc):

Street side of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18554 Logged? or N
Aliquot #1: Latitude: 33.56416340 N Longitude 86.79514363 W
Media description: dk brown silt
Aliquot #2: Latitude: 33.56427026 N Longitude 86.79514292 W
Media description: tan/orange clay dry
Aliquot #3: Latitude: 33.56423290 N Longitude 86.79510644 W
Media description: same as # 2
Aliquot #4: Latitude: 33.56428771 N Longitude 86.79508172 W
Media description: same as # 2
Aliquot #5: Latitude: 33.56415830 N Longitude 86.79508260 W
Media description: same as # 2

STATION ID: H70047B SAMPLE ID: H70047B-CS-SP

SAMPLE COLLECTION TIME: 1352

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back side of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: H70047B
GPS Coordinates: Trimble Instrument #: 18534 Logged? or N
Aliquot #1: Latitude: 33.56434568 N Longitude 86.79514311 W
Media description: tan/orange clay dry
Aliquot #2: Latitude: 33.56443209 N Longitude 86.79514556 W
Media description: same as # 1
Aliquot #3: Latitude: 33.56438663 N Longitude 86.79511235 W
Media description: same as # 1
Aliquot #4: Latitude: 33.56444512 N Longitude 86.79507586 W
Media description: Same as # 1
Aliquot #5: Latitude: 33.56434841 N Longitude 86.79508329 W
Media description: brown silt

(b) (6)

ADDRESS:

CW0578

DATE:

3/12/13

ARRIVAL TIME: 1420

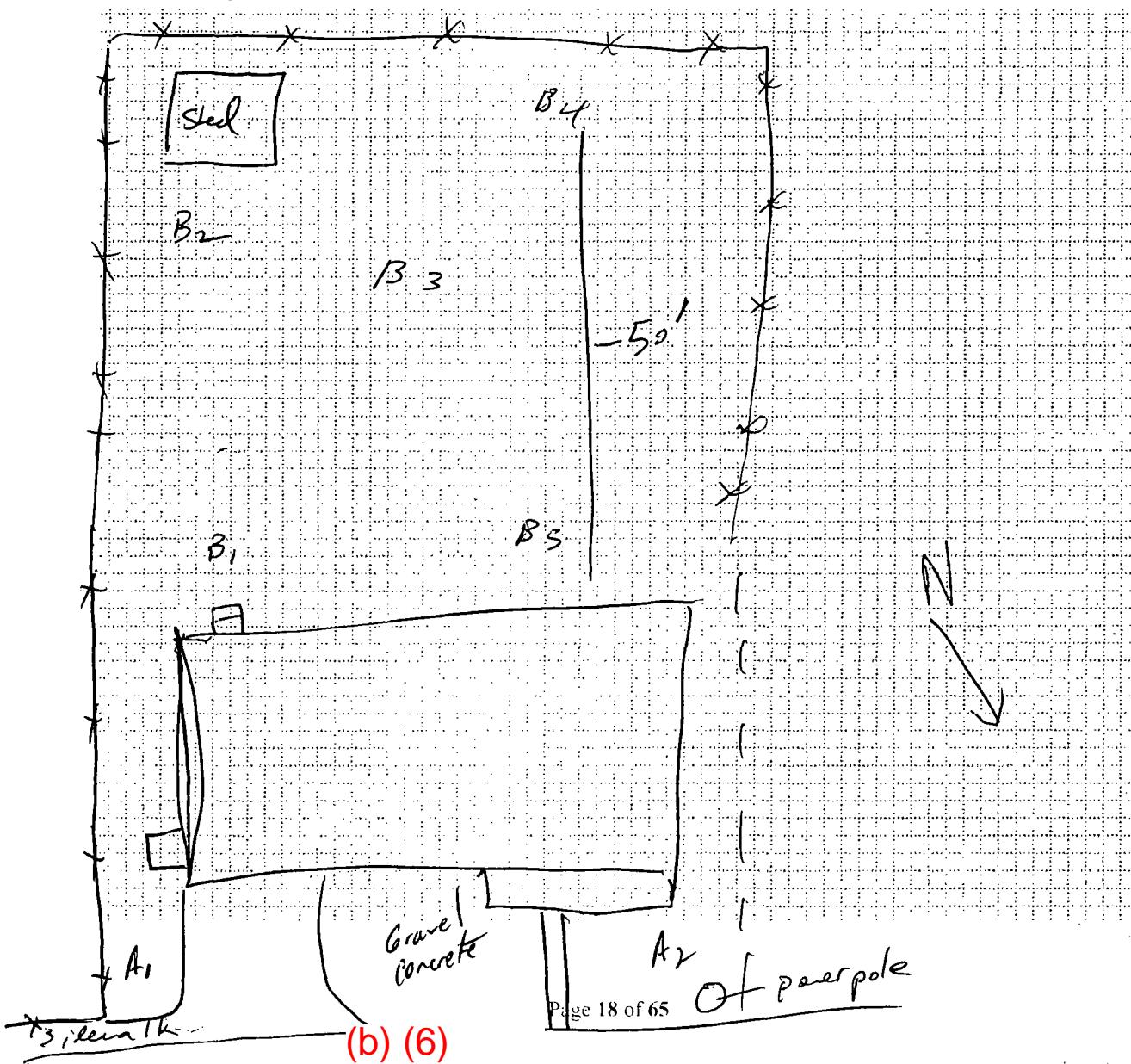
Other pertinent information (weather conditions, etc.):

54°F, sunny, wind NW @ 5 mph

PROPERTY COMMENTS:

Resident @ home, T. Troiano splits samples

Grid for property sketch



(b) (6)

STATION ID: CVO578A SAMPLE ID: CVO578A-CS-SP

SAMPLE COLLECTION TIME: 1440

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CVO578A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55983839</u>	N Longitude	<u>86.79909283</u>	W
	Media description:	<u>dk brown silt w/gravel & cl.</u>			
Aliquot #2:	Latitude:	<u>33.55990217</u>	N Longitude	<u>86.79913809</u>	W
	Media description:	<u>dk brown silt w/gravel & conl fragments</u>			
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

STATION ID: CVO578B SAMPLE ID: CVO578B-CS-SP

SAMPLE COLLECTION TIME: 14:51

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CVO578B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55974395</u>	N Longitude	<u>86.79920621</u>	W
	Media description:	<u>dk brown silt w/conl fragments</u>			
Aliquot #2:	Latitude:	<u>33.55969732</u>	N Longitude	<u>86.79925239</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.55971895</u>	N Longitude	<u>86.79929243</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.55967936</u>	N Longitude	<u>86.79935897</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #5:	Latitude:	<u>33.55975411</u>	N Longitude	<u>86.79926818</u>	W
	Media description:	<u>same as #1</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0579
DATE: 3/12/13 ARRIVAL TIME: 1500

Other pertinent information (weather conditions, etc.):

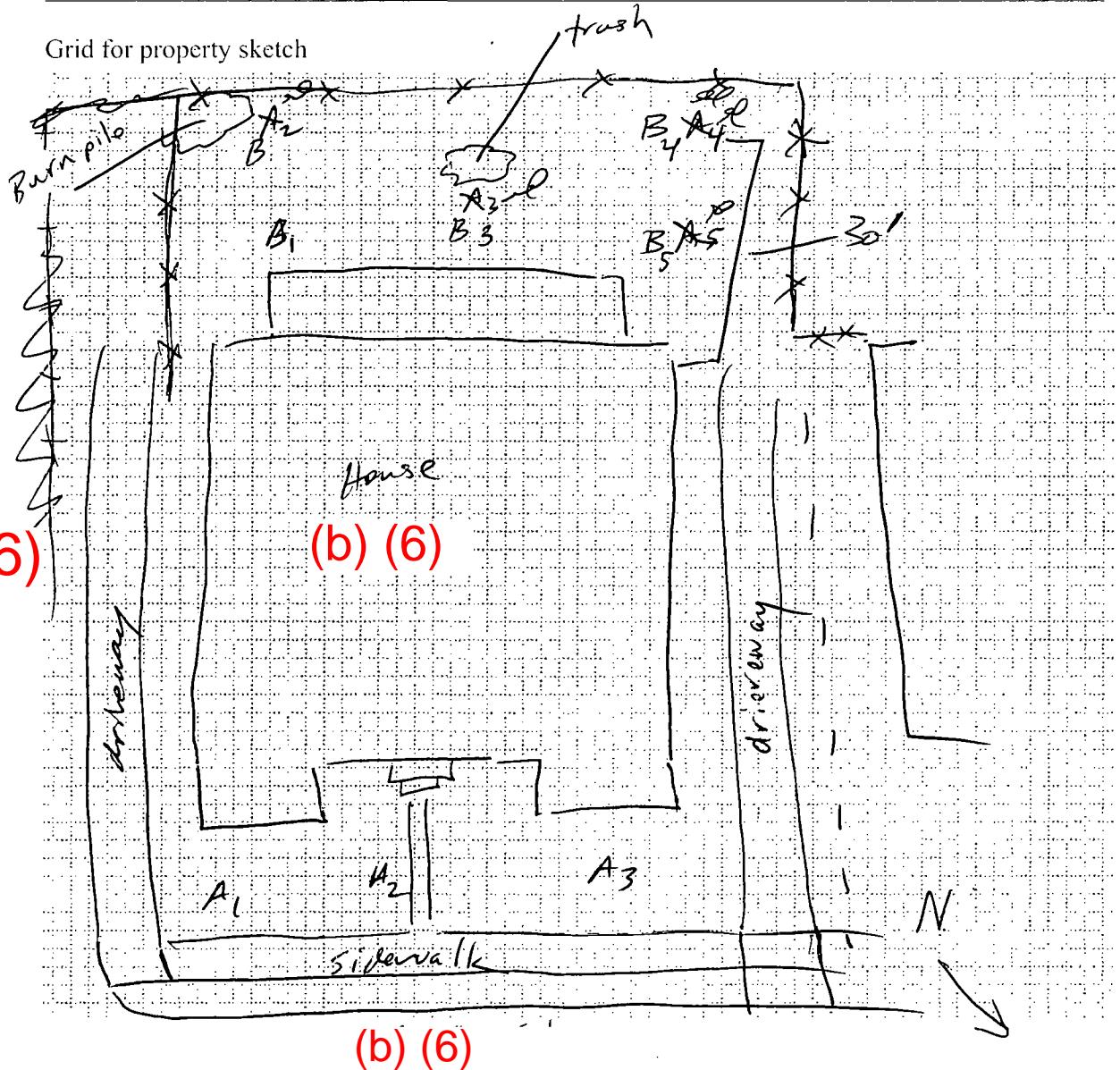
56°F, sunny, wind NW @ 5 MPH

PROPERTY COMMENTS:

No resident @ home. Appears to be duplex.

C. Molino (GMC) splits samples.

Grid for property sketch



STATION ID: Cv0579A SAMPLE ID: Cv0579A-CS-SP

SAMPLE COLLECTION TIME: 1505

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Cv0579A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55993272</u>	N Longitude	<u>86.79917647</u>	W
	Media description:	<u>brown silty clay</u>			
Aliquot #2:	Latitude:	<u>33.55995016</u>	N Longitude	<u>86.79917121</u>	W
	Media description:	<u>brown silty clay</u>			
Aliquot #3:	Latitude:	<u>33.55997589</u>	N Longitude	<u>86.79922240</u>	W
	Media description:	<u>brown silty clay</u>			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

STATION ID: Cv0579B SAMPLE ID: Cv0579B-CS-SP

SAMPLE COLLECTION TIME: 1516

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Cv0579B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.559979332</u>	N Longitude	<u>86.79933378</u>	W
	Media description:	<u>brown silty clay</u>			
Aliquot #2:	Latitude:	<u>33.559974993</u>	N Longitude	<u>86.79941120</u>	W
	Media description:	<u>sand as #1</u>			
Aliquot #3:	Latitude:	<u>33.559977880</u>	N Longitude	<u>86.79939384</u>	W
	Media description:	<u>orange/brown silty clay</u>			
Aliquot #4:	Latitude:	<u>33.559978491</u>	N Longitude	<u>86.79945170</u>	W
	Media description:	<u>sand as #1</u>			
Aliquot #5:	Latitude:	<u>33.55983939</u>	N Longitude	<u>86.79938060</u>	W
	Media description:	<u>sand as #1</u>			

(b) (6)

ADDRESS:

PROPERTY ID: CW0021

DATE: 3/13/13

ARRIVAL TIME: 0850

Other pertinent information (weather conditions, etc.):

45°F, snowy, wind NW 8/12 mph

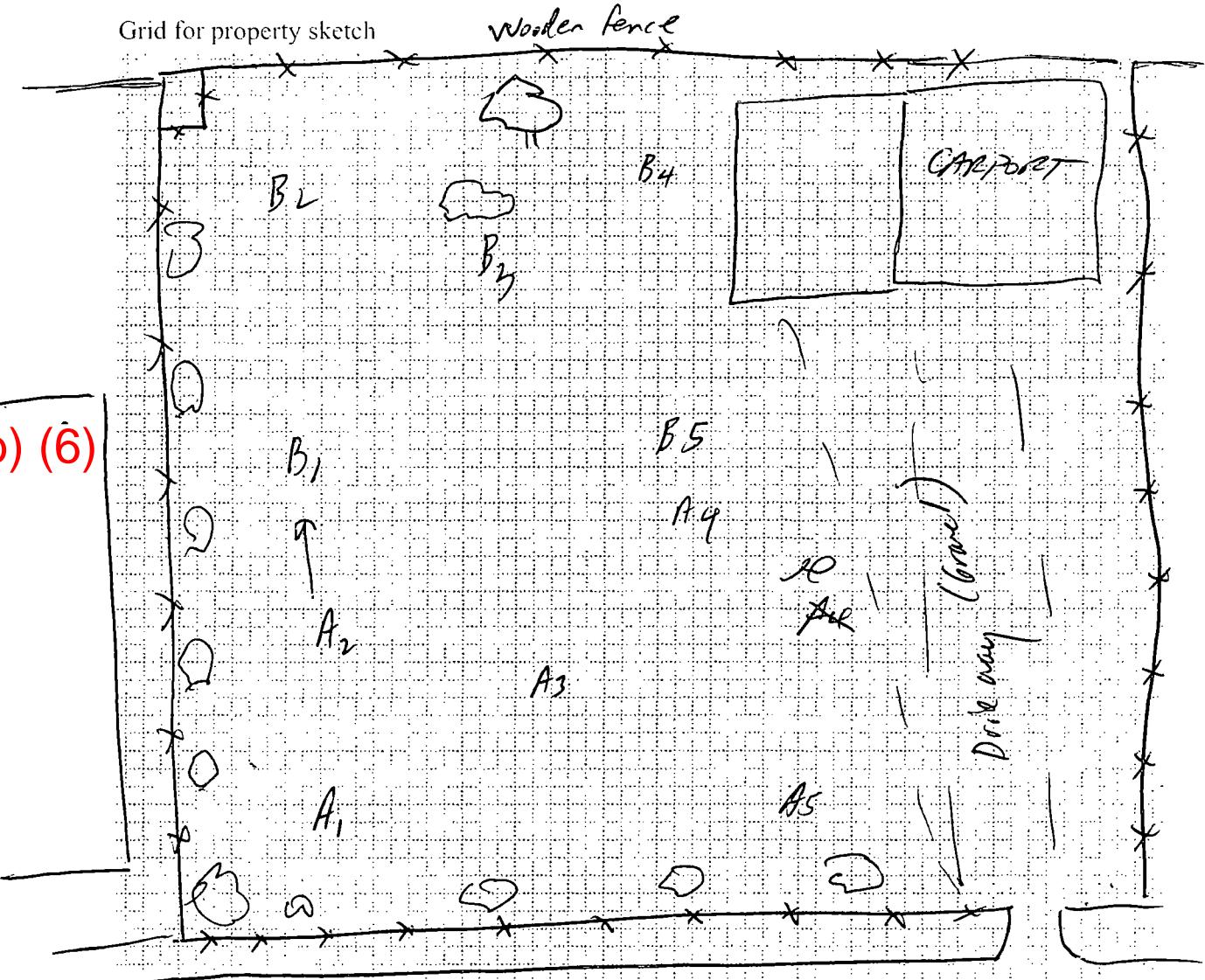
PROPERTY COMMENTS:

Vacant, ~~unoccupied~~ lot. Appears to be used for parking area by adjoining residents @ 3349 address

Grid for property sketch

Wooden fence

(b) (6)



(b) (6)

STATION ID: CV0021A-CS
SAMPLE COLLECTION TIME: 0910

SAMPLE ID: CV0021A-CS
CV0021A-CS-D

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

street side side front half of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0021A

GPS Coordinates:	Trimble []	Instrument #:	18594	Logged?	Y or N
Aliquot #1:	Latitude:	33.55745426	N Longitude	86.80661976	W
Media description:	reddish brown silty clay w/ coal fragments ps608				
Aliquot #2:	Latitude:	33.55745723	N Longitude	86.80650115	W
Media description:	same as #1				
Aliquot #3:	Latitude:	33.55741536	N Longitude	86.80655745	W
Media description:	same as #1				
Aliquot #4:	Latitude:	33.55740035	N Longitude	86.80649940	W
Media description:	same as #1				
Aliquot #5:	Latitude:	33.55739275	N Longitude	86.80661715	W
Media description:	same as #1				

STATION ID: CV0021B
SAMPLE ID: CV0021B-CS
SAMPLE COLLECTION TIME: 0923

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back half of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split:	Yes or No	If yes, indicate Duplicate/split sample station ID:			
GPS Coordinates:	Trimble []	Instrument #:	18594	Logged?	Y or N
Aliquot #1:	Latitude:	33.55746170	N Longitude	86.80646853	W
Media description:	brown silty clay w/ coal fragments				
Aliquot #2:	Latitude:	33.55745366	N Longitude	86.80632295	W
Media description:	same as #1				
Aliquot #3:	Latitude:	33.55743280	N Longitude	86.80639995	W
Media description:	same as #1				
Aliquot #4:	Latitude:	33.55741486	N Longitude	86.80630828	W
Media description:	same as #1				
Aliquot #5:	Latitude:	33.55740054	N Longitude	86.80646697	W
Media description:	same as #1				

(b) (6)

ADDRESS:

PROPERTY ID: CW0154

DATE: 3/13/13

ARRIVAL TIME: 0935

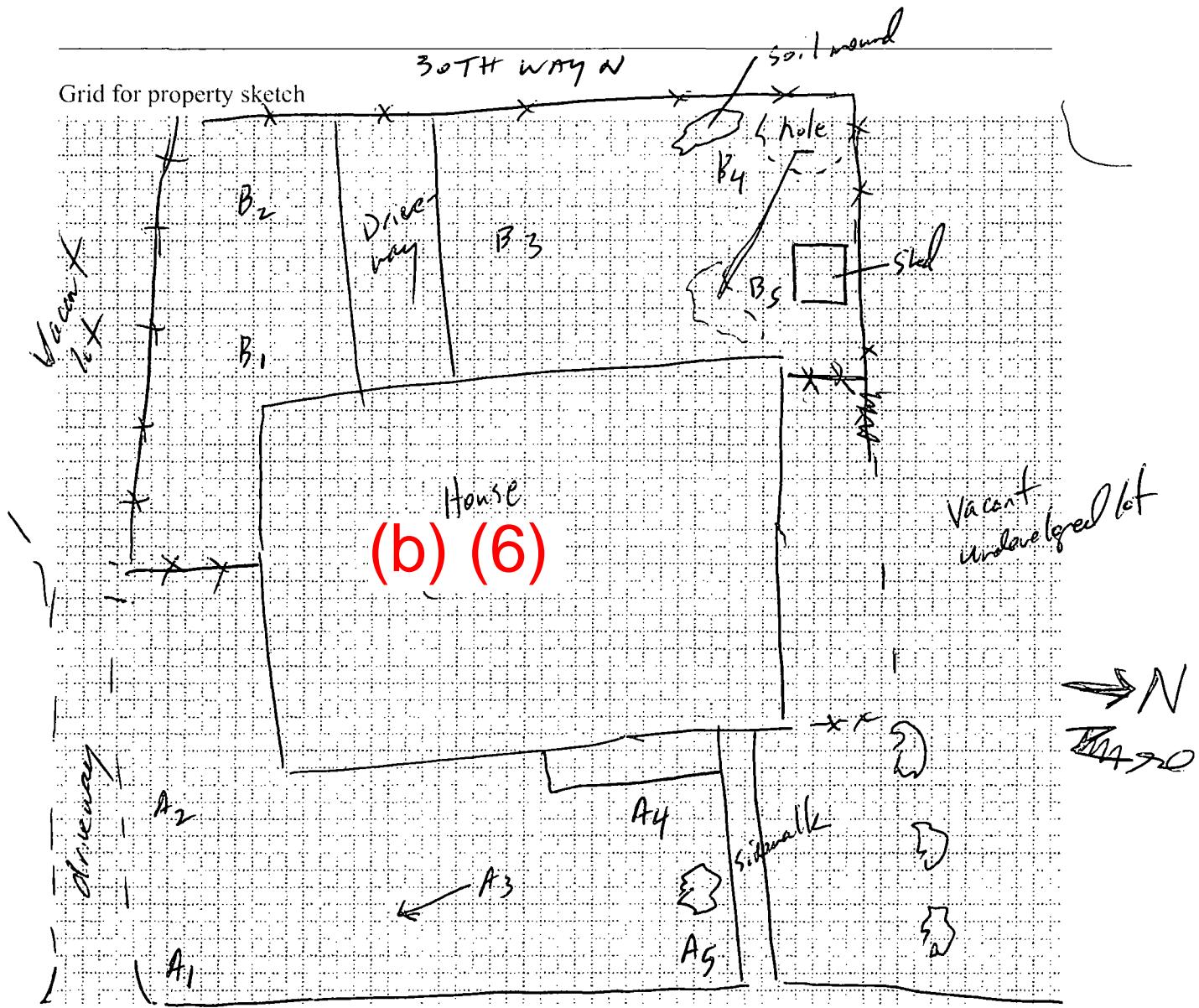
Other pertinent information (weather conditions, etc.):

48°F, sunny, wind NW @ 5-10 mph

PROPERTY COMMENTS:

No resident @ home. Two story house.

Grid for property sketch



(b) (6)

STATION ID: CV0154A 20 SAMPLE ID: CV0154A-05

SAMPLE COLLECTION TIME: 0945

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: 18594 Logged? Y or N

Aliquot #1: Latitude: 33.55943745 N Longitude 86.8090501 W

Media description: brown / tan soil very clay dry

Aliquot #2: Latitude: 33.55942714 N Longitude 86.80597715 W

Media description: same as #1

Aliquot #3: Latitude: 33.55946467 N Longitude 86.80593756 W

Media description: same as #1

Aliquot #4: Latitude: 33.55951464 N Longitude 86.80594159 W

Media description: same as #1

Aliquot #5: Latitude: 33.55951226 N Longitude 86.80587612 W

Media description: same as #1

STATION ID: CV0154B SAMPLE ID: CV0154B-05

SAMPLE COLLECTION TIME: 0956

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: 18594 Logged? Y or N

Aliquot #1: Latitude: 33.55945847 N Longitude 86.80611013 W

Media description: orange / brown soil very clay dry

Aliquot #2: Latitude: 33.55949405 N Longitude 86.80619841 W

Media description: same as #1

Aliquot #3: Latitude: 33.55953444 N Longitude 86.80616441 W

Media description: same as #1

Aliquot #4: Latitude: 33.55957755 N Longitude 86.80618606 W

Media description: same as #1

Aliquot #5: Latitude: 33.55954033 N Longitude 86.80609915 W

Media description: same as #1

(b) (6)

ADDRESS:

DATE: 3/13/13

PROPERTY ID: C00093

ARRIVAL TIME: 1015

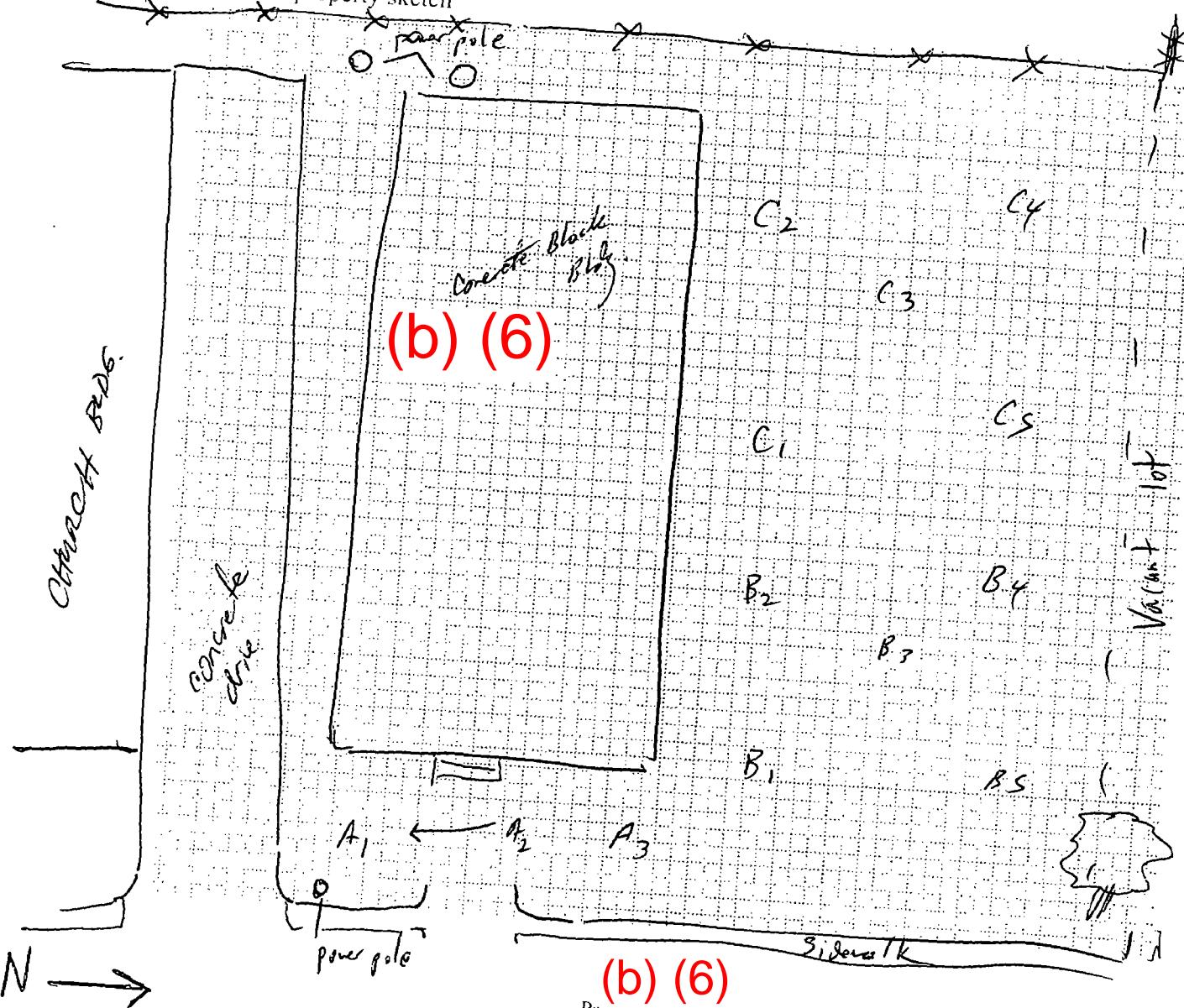
Other pertinent information (weather conditions, etc.):

50° F, sunny, wind NW @ 10 mph

PROPERTY COMMENTS:

No resident, appears to be structure related to church next door.

Grid for property sketch



STATION ID: CV0093A SAMPLE ID: CV0093A - CS

SAMPLE COLLECTION TIME: 1032

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55760202</u>	N Longitude <u>86.80504101</u> W
Media description:	<u>brown silt w/ coal fragments</u>	
Aliquot #2 Latitude:	<u>33.55763887</u>	N Longitude <u>86.80504538</u> W
Media description:	<u>sand as #1</u>	
Aliquot #3: Latitude:	<u>33.55769773</u>	N Longitude <u>86.80503442</u> W
Media description:	<u>sand as #1</u>	
Aliquot #4: Latitude:	<u></u>	N Longitude <u></u> W
Media description:	<u></u>	
Aliquot #5: Latitude:	<u></u>	N Longitude <u></u> W
Media description:	<u></u>	

STATION ID: CV0093B SAMPLE ID: CV0093

SAMPLE COLLECTION TIME: 1040

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

east or half of side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or <u>No</u> If yes, indicate Duplicate/split sample station ID:	<u></u>	
GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55773129</u>	N Longitude <u>86.80507393</u> W
Media description:	<u>dk brown silt w/ coal fragments</u>	
Aliquot #2 Latitude:	<u>33.55772185</u>	N Longitude <u>86.80517989</u> W
Media description:	<u>sand as #1</u>	
Aliquot #3: Latitude:	<u>33.55776610</u>	N Longitude <u>86.80514570</u> W
Media description:	<u>brown silt/clay/gravel coal fragments</u>	
Aliquot #4: Latitude:	<u>33.55780081</u>	N Longitude <u>86.80519277</u> W
Media description:	<u>sand as #3</u>	
Aliquot #5: Latitude:	<u>33.55780231</u>	N Longitude <u>86.80508427</u> W
Media description:	<u>sand as #3</u>	

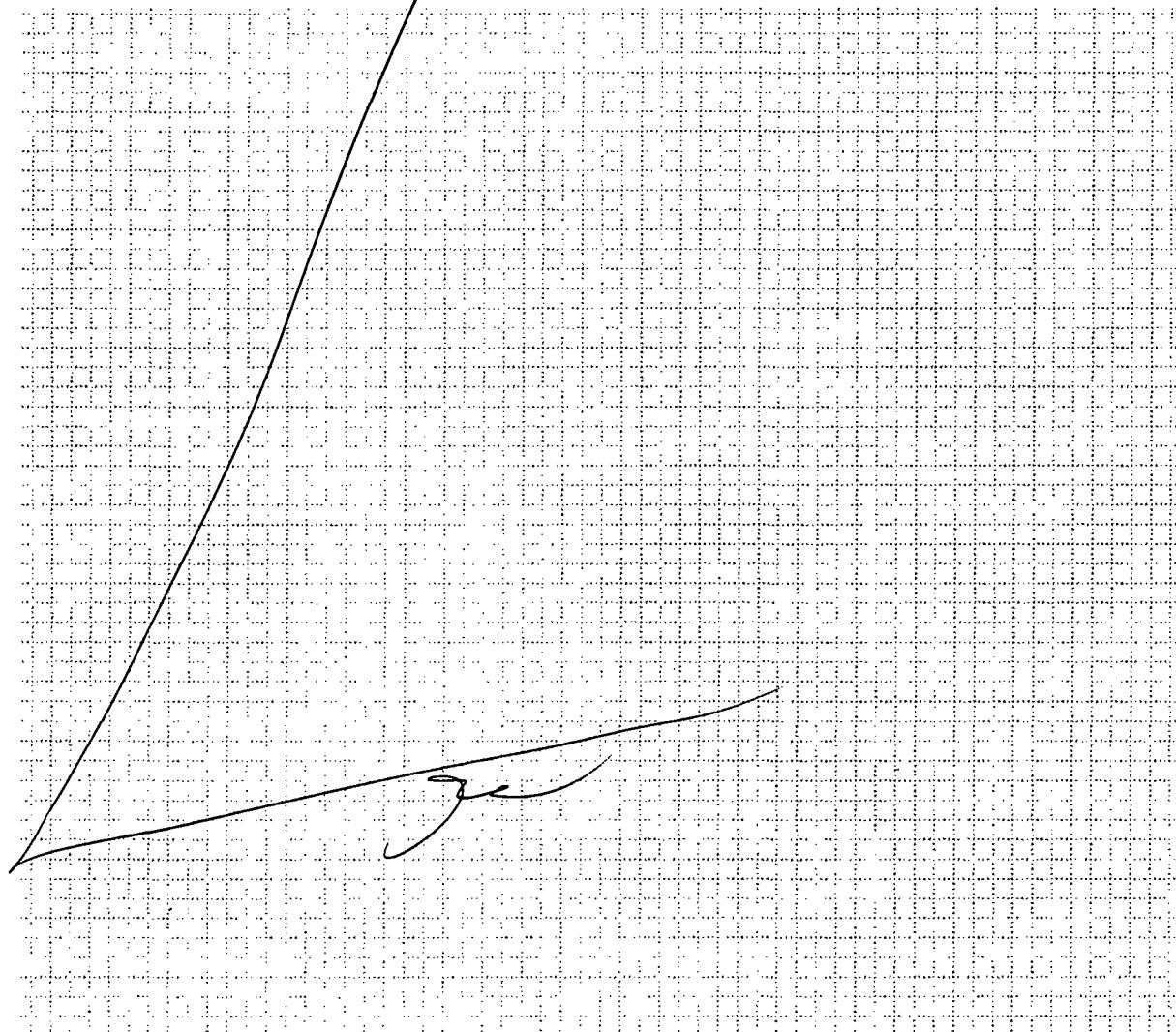
ADDRESS: SEE PG 26 PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0093C SAMPLE ID: CV0093C-CS

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

(back) west end of side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble [X]	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="radio"/> Y or <input type="radio"/> N
Aliquot #1:	Latitude:	<u>33.557773575</u>	N Longitude	<u>86.80524490</u>	W
	Media description:	<u>dk brown silt w/ soil fragmtns</u>			
Aliquot #2	Latitude:	<u>33.557773769</u>	N Longitude	<u>86.80534418</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.55777532</u>	N Longitude	<u>86.80529995</u>	W
	Media description:	<u>tan/brown sand + gravel</u>			
Aliquot #4:	Latitude:	<u>33.557780416</u>	N Longitude	<u>86.80535351</u>	W
	Media description:	<u>same as #3</u>			
Aliquot #5:	Latitude:	<u>33.55779952</u>	N Longitude	<u>86.80524542</u>	W
	Media description:	<u>same as #3</u>			

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____ 2L

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection:	Composite or Grab	MS/MSD?	Y or N
Field Duplicate or Split:	Yes or No	If yes, indicate Duplicate/split sample station ID: _____	
GPS Coordinates:	Trimble []	Instrument #:	Logged? Y or N
Aliquot #1:	Latitude:	N Longitude	W
	Media description:		
Aliquot #2	Latitude:	N Longitude	W
	Media description:		
Aliquot #3:	Latitude:	N Longitude	W
	Media description:		
Aliquot #4:	Latitude:	N Longitude	W
	Media description:		
Aliquot #5:	Latitude:	N Longitude	W
	Media description:		

(b) (6)

ADDRESS: _____ PROPERTY ID: 0V0257

DATE: 3/13/13 ARRIVAL TIME: 1205

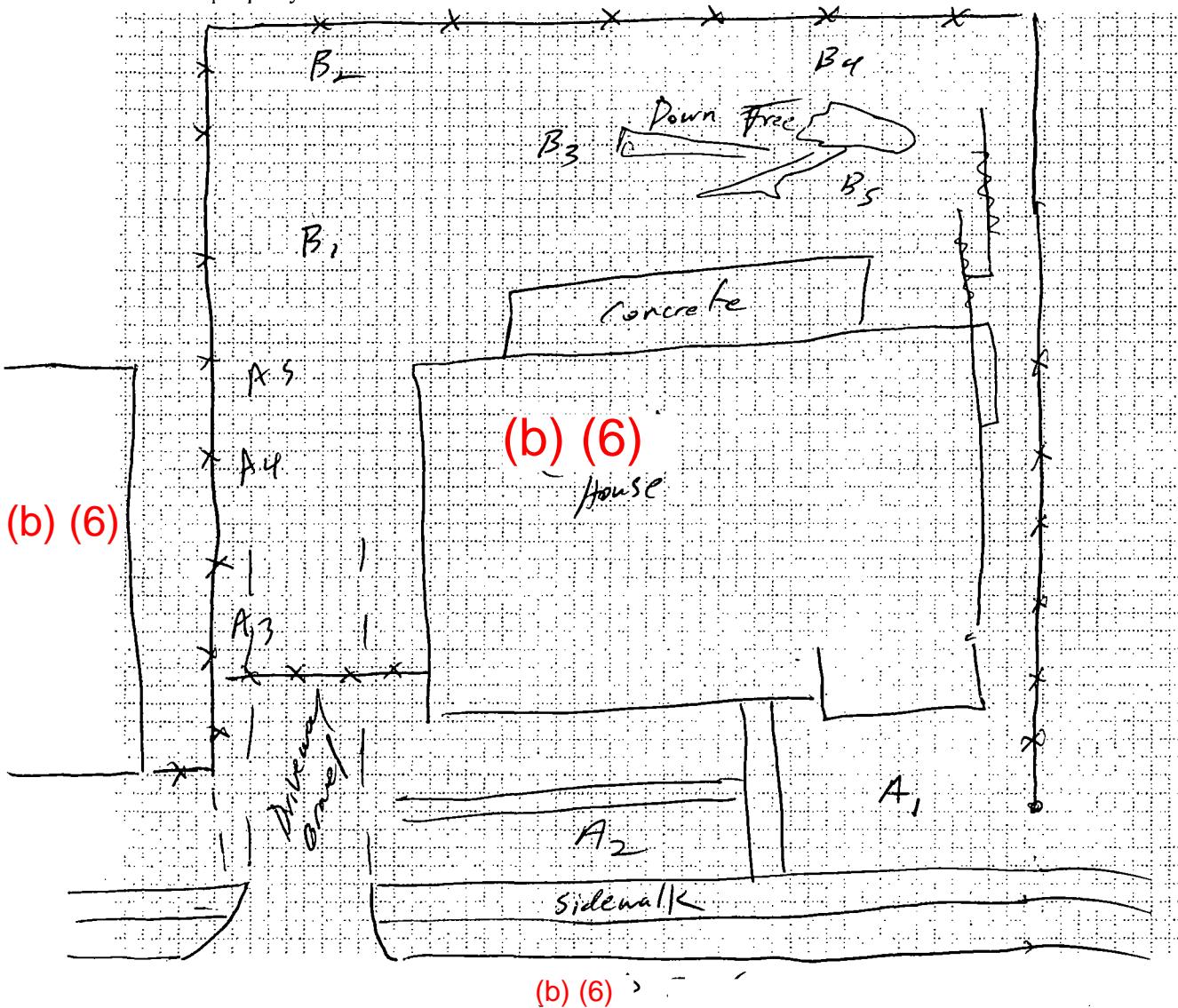
Other pertinent information (weather conditions, etc.):

52°F, sunny, wind NW @ 14 mph

PROPERTY COMMENTS:

No resident @ home. Property appears vacant.

Grid for property sketch



STATION ID: CV0257A SAMPLE ID: CV0257A-CS
SAMPLE COLLECTION TIME: 1222 CV0257A - CS - D

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Front & driveway side

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0257A

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N

Aliquot #1: Latitude: 33.55636574 N Longitude 86.80286937 W

Media description: dk brown silt dry

Aliquot #2 Latitude: 33.55631833 N Longitude 86.80287055 W

Media description: sand as # 1

Aliquot #3: Latitude: 33.55628447 N Longitude 86.80297355 W

Media description: brown silt dry

Aliquot #4: Latitude: 33.55627635 N Longitude 86.80302870 W

Media description: sand as # 3

Aliquot #5: Latitude: 33.55628346 N Longitude 86.80309851 W

Media description: sand as # 3

STATION ID: CV0257B SAMPLE ID: CV0257B-CS

SAMPLE COLLECTION TIME: 1237

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? Y or N

Aliquot #1: Latitude: 33.55628730 N Longitude 86.80318130 W

Media description: brown sandy silt dry

Aliquot #2 Latitude: 33.55630482 N Longitude 86.80335276 W

Media description: sand as # 1

Aliquot #3: Latitude: 33.55633455 N Longitude 86.80326350 W

Media description: sand as # 1

Aliquot #4: Latitude: 33.55636814 N Longitude 86.80337183 W

Media description: sand as # 1

Aliquot #5: Latitude: 33.55638136 N Longitude 86.80319790 W

Media description: sand as # 1

(b) (6)

ADDRESS: _____ PROPERTY ID: CW0392

DATE: 3/13/13 ARRIVAL TIME: 1305

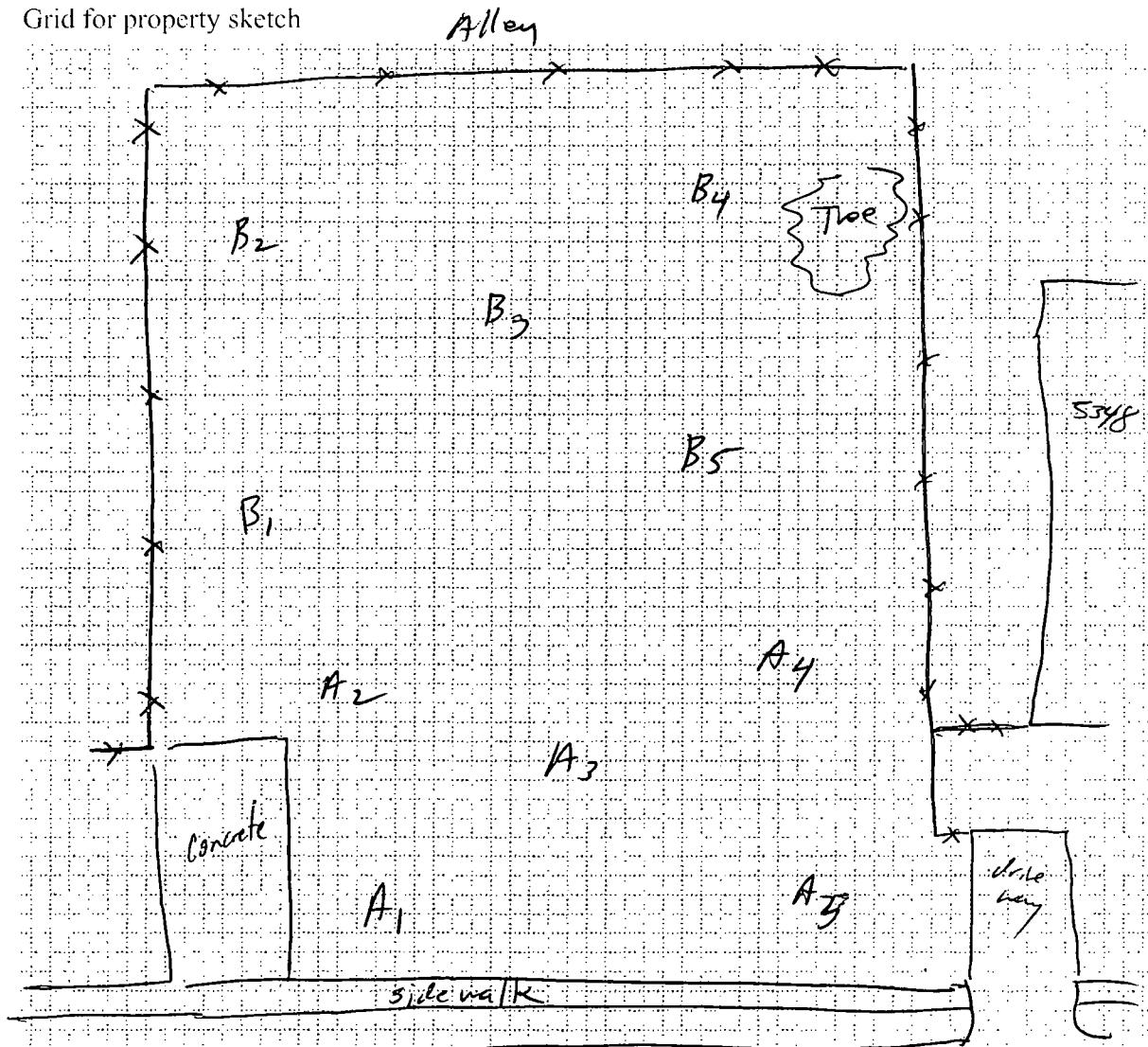
Other pertinent information (weather conditions, etc.):

52° F, sunny, wind NW @ 10-15

PROPERTY COMMENTS:

Vacant lot. House to south is 3344, house to north is 3348. GPS indicates parcel is correct despite address conflict.

Grid for property sketch



STATION ID: CV0392A SAMPLE ID: CV0392A-CS

SAMPLE COLLECTION TIME: 1320

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front (street side) 1/2 of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.55704627 N Longitude 86.79956069 W
Media description: orange clay w/ gravel
Aliquot #2 Latitude: 33.55704634 N Longitude 86.79964649 W
Media description: same as #1
Aliquot #3: Latitude: 33.55707451 N Longitude 86.79961211 W
Media description: same as #1
Aliquot #4: Latitude: 33.55710038 N Longitude 86.79965901 W
Media description: same as #1
Aliquot #5: Latitude: 33.55709519 N Longitude 86.79956880 W
Media description: dk brown silt w/ coal fragments

STATION ID: CV0392B SAMPLE ID: CV0392B-CS

SAMPLE COLLECTION TIME: 1334

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back half of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.55703603 N Longitude 86.79971587 W
Media description: dk brown silt w/ gravel / & coal fragments
Aliquot #2 Latitude: 33.55702627 N Longitude 86.79984553 W
Media description: tan/orange clay w/ gravel
Aliquot #3: Latitude: 33.55706287 N Longitude 86.79972892 W
Media description: same as #2
Aliquot #4: Latitude: 33.55708665 N Longitude 86.79984667 W
Media description: same as #2
Aliquot #5: Latitude: 33.55710096 N Longitude 86.79973289 W
Media description: same as #2

(b) (6)

ADDRESS: _____
DATE: 3/13/13

PROPERTY ID: 010572

ARRIVAL TIME: _____

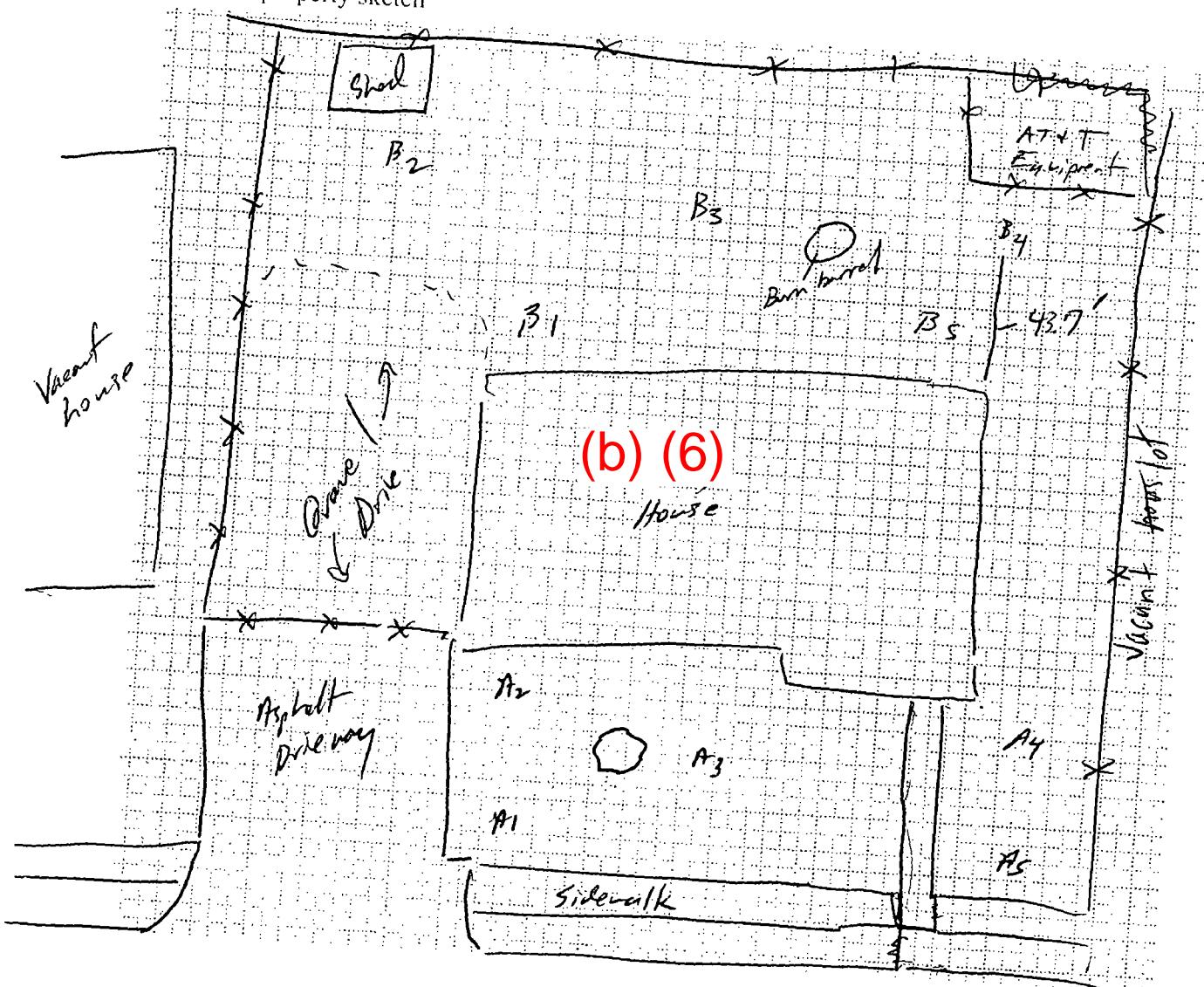
Other pertinent information (weather conditions, etc.):

54°F, sunny, wind SW @ 10-15 mph

PROPERTY COMMENTS:

Resident @ home.

Grid for property sketch



STATION ID: CV0572A SAMPLE ID: CV0572A-CS

SAMPLE COLLECTION TIME: 1358

Description of sample location (front, back, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble X Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33.55861555 N Longitude 86.79849227 W
Media description: dk brown /brown silt w/ coal fragments
Aliquot #2 Latitude: 33.55861540 N Longitude 86.79850776 W
Media description: Same as #1
Aliquot #3: Latitude: 33.55863783 N Longitude 86.79848492 W
Media description: Same as #1
Aliquot #4: Latitude: 33.55868513 N Longitude 86.79851420 W
Media description: Same as #1
Aliquot #5: Latitude: 33.55868171 N Longitude 86.79845946 W
Media description: Same as #1

STATION ID: CV0572B SAMPLE ID: CV0572B-CS

SAMPLE COLLECTION TIME: 1410

Description of sample location (front, ~~back~~, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble X Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33.55861866 N Longitude 86.79869483 W
Media description: reddish brown sandy clay w/ coal fragments
Aliquot #2 Latitude: 33.55860830 N Longitude 86.79880824 W
Media description: Same as #1
Aliquot #3: Latitude: 33.55864216 N Longitude 86.79875755 W
Media description: soil same as #1
Aliquot #4: Latitude: 33.55868599 N Longitude 86.79880541 W
Media description: dk brown sandy clay w/ coal fragments
Aliquot #5: Latitude: 33.55867939 N Longitude 86.79868461 W
Media description: Same as #4

(b) (6)

ADDRESS: _____ PROPERTY ID: CVO 923
DATE: 3/13/13 ARRIVAL TIME: 1430

Other pertinent information (weather conditions, etc.):

52°F, sunny, wind NW @ 15 MPH

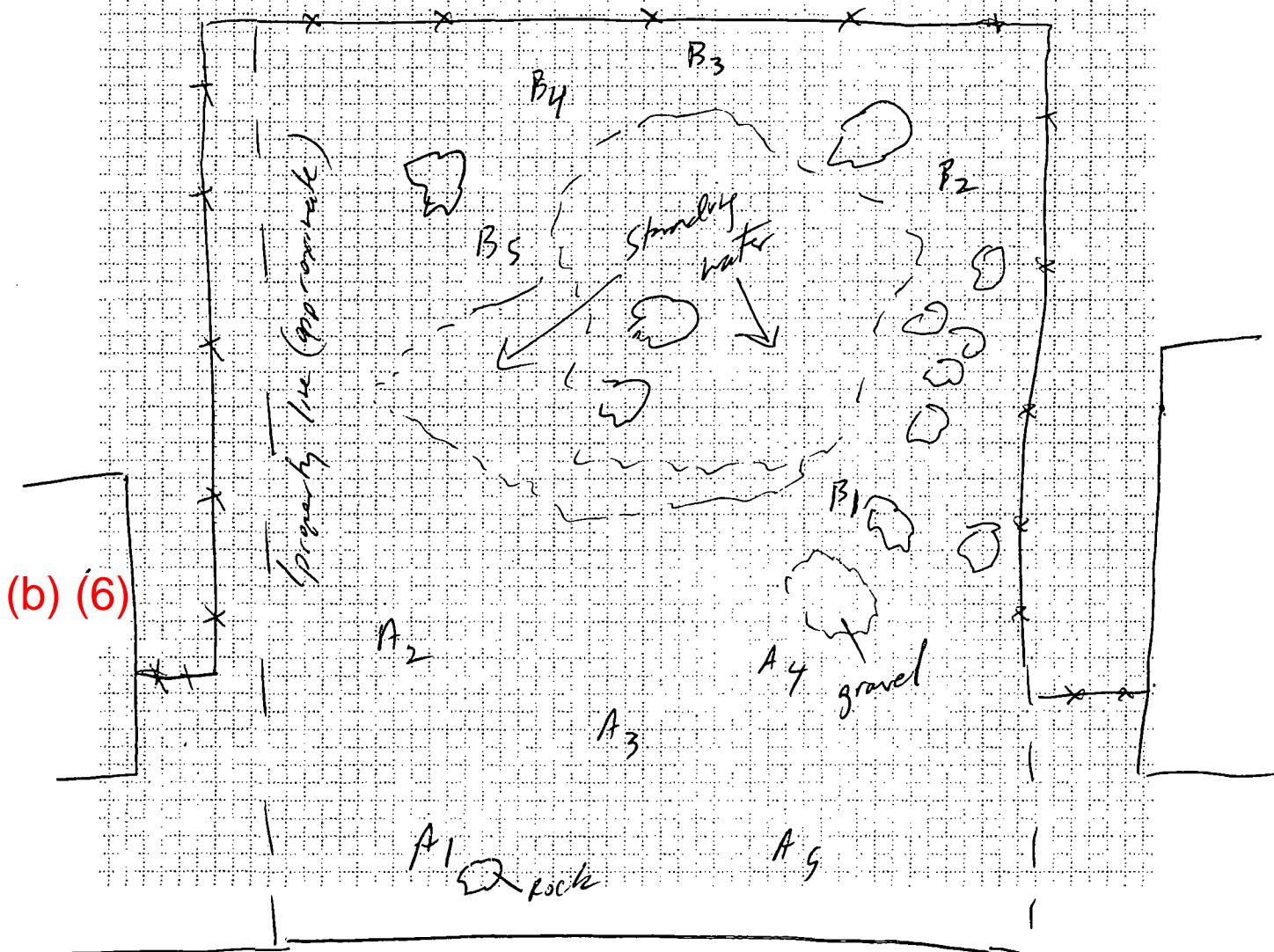
PROPERTY COMMENTS:

vacant, undeveloped lot.

Back & central portion of site has standing water.

Grid for property sketch

vacant undeveloped lot



(b) (6)

STATION ID: Cv0923A SAMPLE ID: Cv0923A-CS

SAMPLE COLLECTION TIME: 1445

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front (street side) of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.55746181</u>	N Longitude	<u>86.79530386</u> W
	Media description:	<u>brown silty clay w/gravel & coal fragments moist dry</u>		
Aliquot #2:	Latitude:	<u>33.557399261</u>	N Longitude	<u>86.79529680</u> W
	Media description:	<u>same as #1</u>		
Aliquot #3:	Latitude:	<u>33.55742953</u>	N Longitude	<u>86.79533804</u> W
	Media description:	<u>same as #1</u>		
Aliquot #4:	Latitude:	<u>33.55738098</u>	N Longitude	<u>86.79539524</u> W
	Media description:	<u>same as #1</u>		
Aliquot #5:	Latitude:	<u>33.55745578</u>	N Longitude	<u>86.79538395</u> W
	Media description:	<u>same as #1</u>		

STATION ID: Cv0923B SAMPLE ID: Cv0923B-CS

SAMPLE COLLECTION TIME: 1459

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back side of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.55735661</u>	N Longitude	<u>86.79539979</u> W
	Media description:	<u>dk brown silt w/ gravel wet</u>		
Aliquot #2:	Latitude:	<u>33.55723116</u>	N Longitude	<u>86.79539256</u> W
	Media description:	<u>same as #1</u>		
Aliquot #3:	Latitude:	<u>33.55722522</u>	N Longitude	<u>86.79536652</u> W
	Media description:	<u>same as #1</u>		
Aliquot #4:	Latitude:	<u>33.55719763</u>	N Longitude	<u>86.79532871</u> W
	Media description:	<u>same as #1</u>		
Aliquot #5:	Latitude:	<u>33.55722972</u>	N Longitude	<u>86.79527761</u> W
	Media description:	<u>same as #1</u>		

(b) (6)

ADDRESS: _____ PROPERTY ID: CW0071

DATE: 3/13/13 ARRIVAL TIME: 1515

Other pertinent information (weather conditions, etc.):

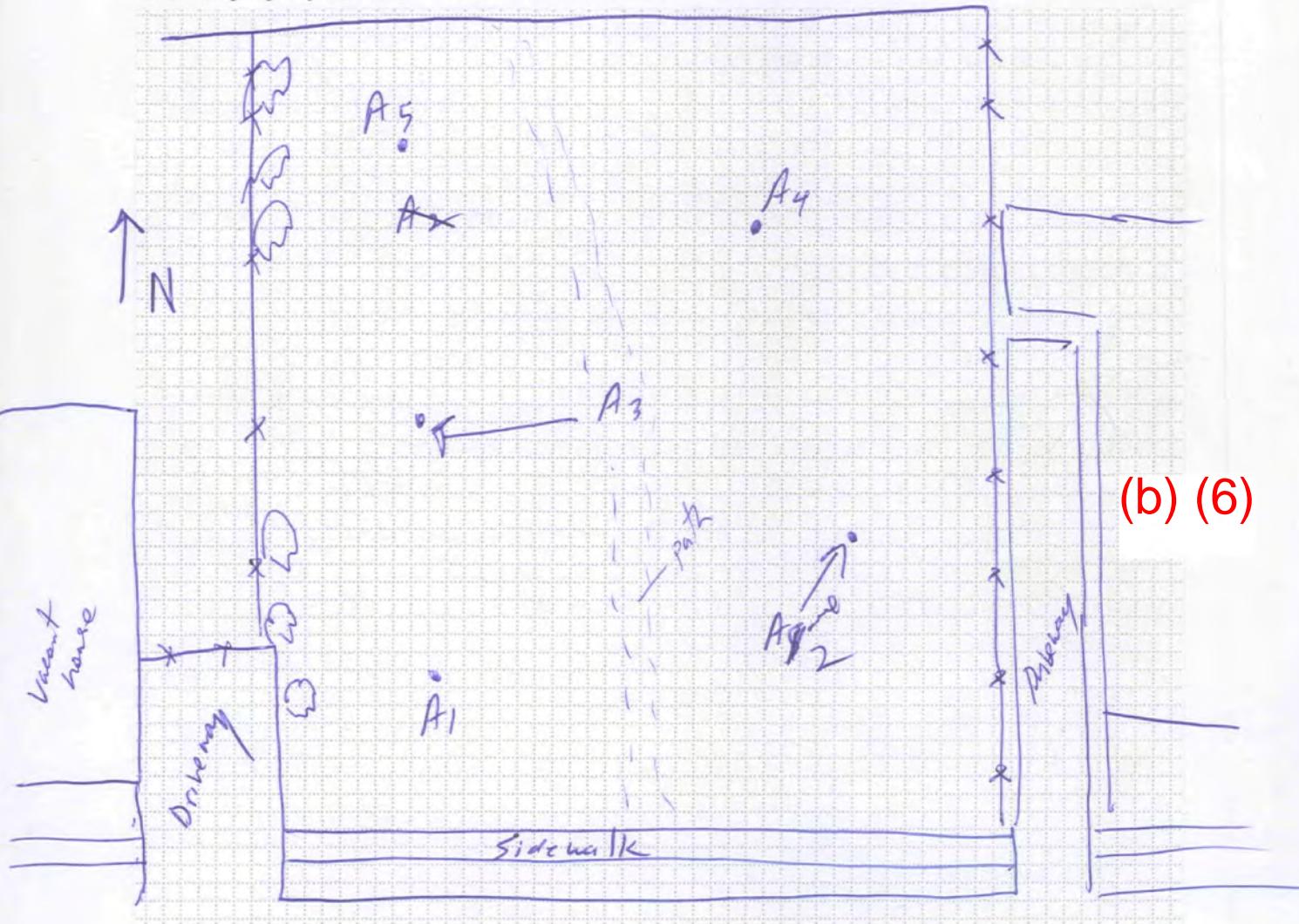
54°F, sunny, wind NW @ 15-20 mph

PROPERTY COMMENTS:

Vacant, undeveloped lot

Grid for property sketch

32ND AVE N



STATION ID: CV0071A SAMPLE ID: NOOTIA-CS
SAMPLE COLLECTION TIME: 1532

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
undeveloped lot

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33.55414442 N Longitude 86.80155869 W
Media description: orange/brown silty clay dry
Aliquot #2 Latitude: 33.55422229 N Longitude 86.80150497 W
Media description: same as #1
Aliquot #3: Latitude: 33.55424070 N Longitude 86.80155376 W
Media description: same as #1
Aliquot #4: Latitude: 33.55430188 N Longitude 86.80150463 W
Media description: same as #1
Aliquot #5: Latitude: 33.55437459 N Longitude 86.80154242 W
Media description: 6% silt dry

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
dry

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N
Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #2 Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0200

DATE: 3/14/13 ARRIVAL TIME: 0840

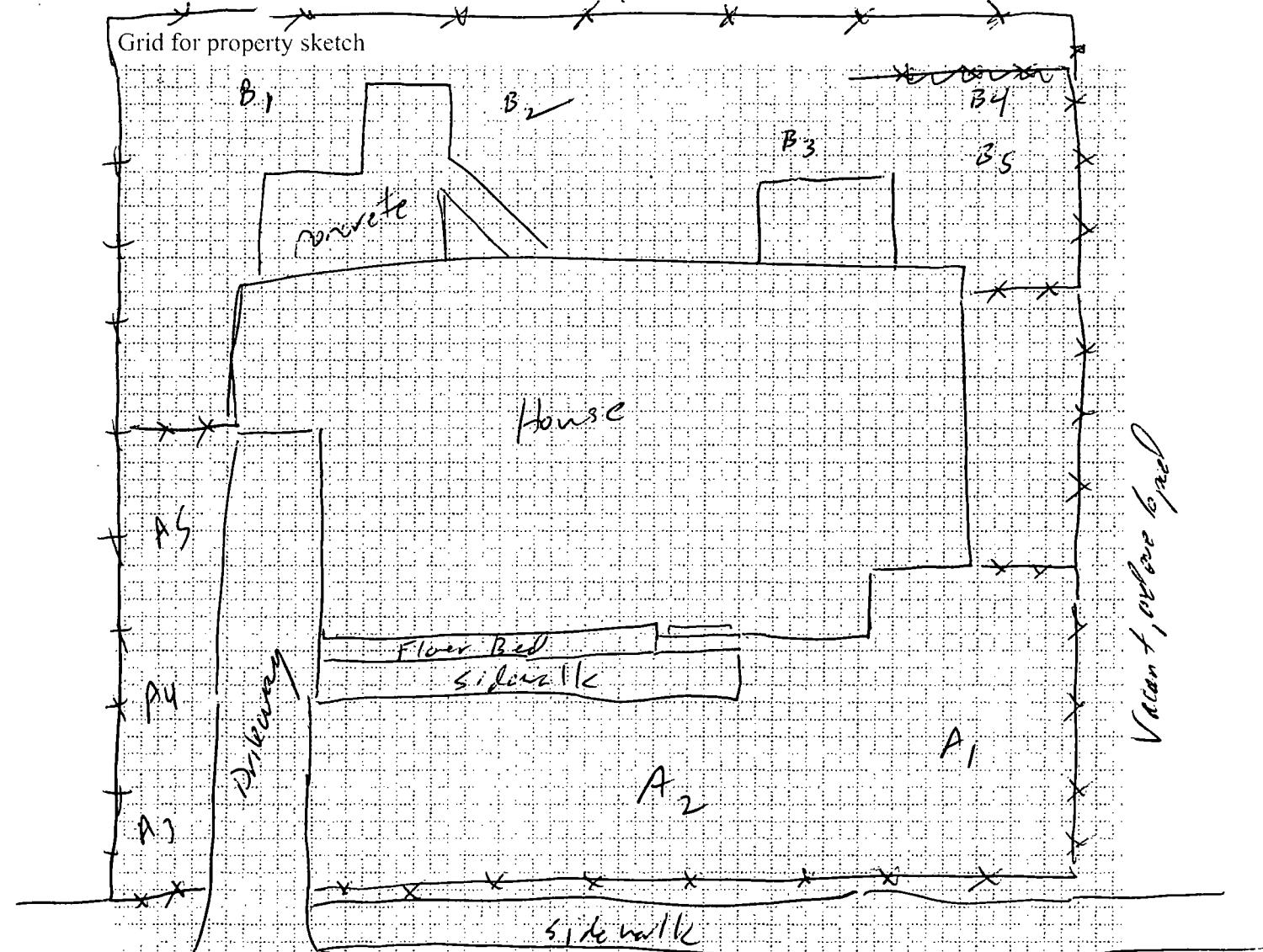
Other pertinent information (weather conditions, etc.):

35°F, sunny, wind NW at 6 mph

PROPERTY COMMENTS:

No resident @ address. Property appears vacant.
C. Troiano (comc) splits samples

Grid for property sketch



(b) (6)

STATION ID: CV0200A SAMPLE ID: CV0200A-CS-SP

SAMPLE COLLECTION TIME: 0901

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0200A

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.55450262 N Longitude 86.79729602 W
Media description: brown silt dry
Aliquot #2: Latitude: 33.55449469 N Longitude 86.79735939 W
Media description: same as #1
Aliquot #3: Latitude: 33.55451219 N Longitude 86.79742635 W
Media description: same as #1
Aliquot #4: Latitude: 33.55454874 N Longitude 86.79743210 W
Media description: same as #1
Aliquot #5: Latitude: 33.55455474 N Longitude 86.79742906 W
Media description: same as #1

STATION ID: CV0200B SAMPLE ID: CV0200B-CS-SP

SAMPLE COLLECTION TIME: 0916

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.55479946 N Longitude 86.79742820 W
Media description: brown silty clay dry
Aliquot #2: Latitude: 33.55479476 N Longitude 86.79737821 W
Media description: same as #1
Aliquot #3: Latitude: 33.55477014 N Longitude 86.79733819 W
Media description: same as #1
Aliquot #4: Latitude: 33.55479154 N Longitude 86.79730429 W
Media description: same as #1
Aliquot #5: Latitude: 33.55474481 N Longitude 86.79729871 W
Media description: same as #1

(b) (6)

ADDRESS: _____ PROPERTY ID: CN0843

DATE: 3/14/13 ARRIVAL TIME: 0950

Other pertinent information (weather conditions, etc.):

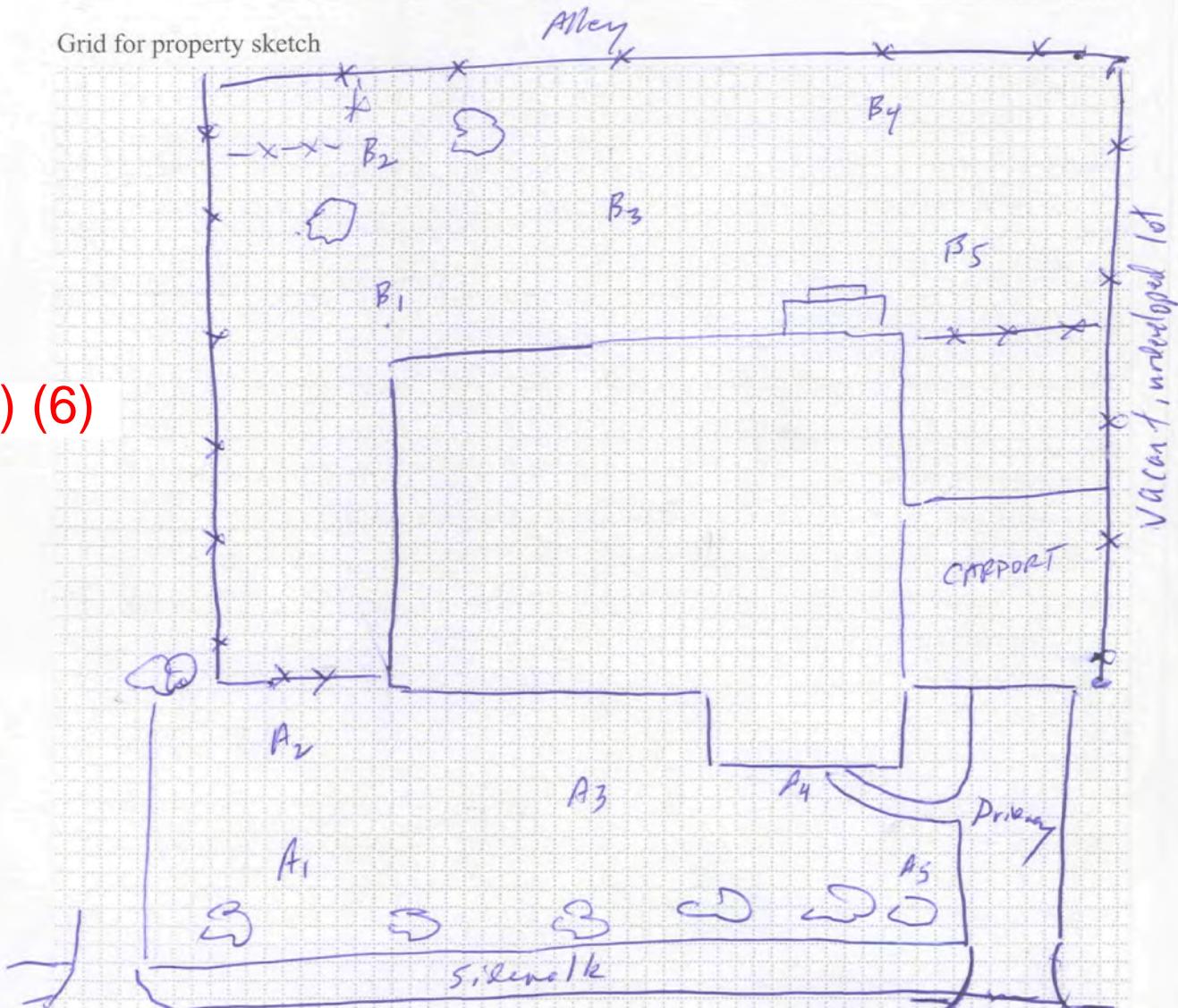
39°F, sunny, wind NW@6 MPH

PROPERTY COMMENTS:

resident not at home.

Split samples of C. Trifaria (Gmc).

Grid for property sketch



(b) (6)

STATION ID: CV0843A SAMPLE ID: CV0843A-CS-SP

SAMPLE COLLECTION TIME: 1003

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0843A

GPS Coordinates:	Trimble [X]	Instrument #:	<u>18594</u>	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.55435579</u>	N Longitude	<u>86.79695146</u>	W
	Media description:	<u>reddish brown clay dry</u>			
Aliquot #2	Latitude:	<u>33.55430305</u>	N Longitude	<u>86.79694625</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #3:	Latitude:	<u>33.55432805</u>	N Longitude	<u>86.79698504</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #4:	Latitude:	<u>33.55431929</u>	N Longitude	<u>86.79703511</u>	W
	Media description:	<u>brown silty clay dry</u>			
Aliquot #5:	Latitude:	<u>33.55435378</u>	N Longitude	<u>86.79704470</u>	W
	Media description:	<u>dk brown silty clay w/ coal fragments dry</u>			

STATION ID: CV0843B SAMPLE ID: CV0843B-CS-SP

SAMPLE COLLECTION TIME: 1011

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0843B

GPS Coordinates:	Trimble [X]	Instrument #:	-	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.55415049</u>	N Longitude	<u>86.79698723</u>	W
	Media description:	<u>blk silty clay dry</u>			
Aliquot #2	Latitude:	<u>33.55408499</u>	N Longitude	<u>86.79698606</u>	W
	Media description:	<u>brown/orange silty clay dry</u>			
Aliquot #3:	Latitude:	<u>33.55412528</u>	N Longitude	<u>86.7970142</u>	W
	Media description:	<u>Same as #2</u>			
Aliquot #4:	Latitude:	<u>33.55408832</u>	N Longitude	<u>86.79701937</u>	W
	Media description:	<u>Same as #2</u>			
Aliquot #5:	Latitude:	<u>33.55413846</u>	N Longitude	<u>86.79704805</u>	W
	Media description:	<u>Same as #1</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0826

DATE: 3/14/13 ARRIVAL TIME: 1025

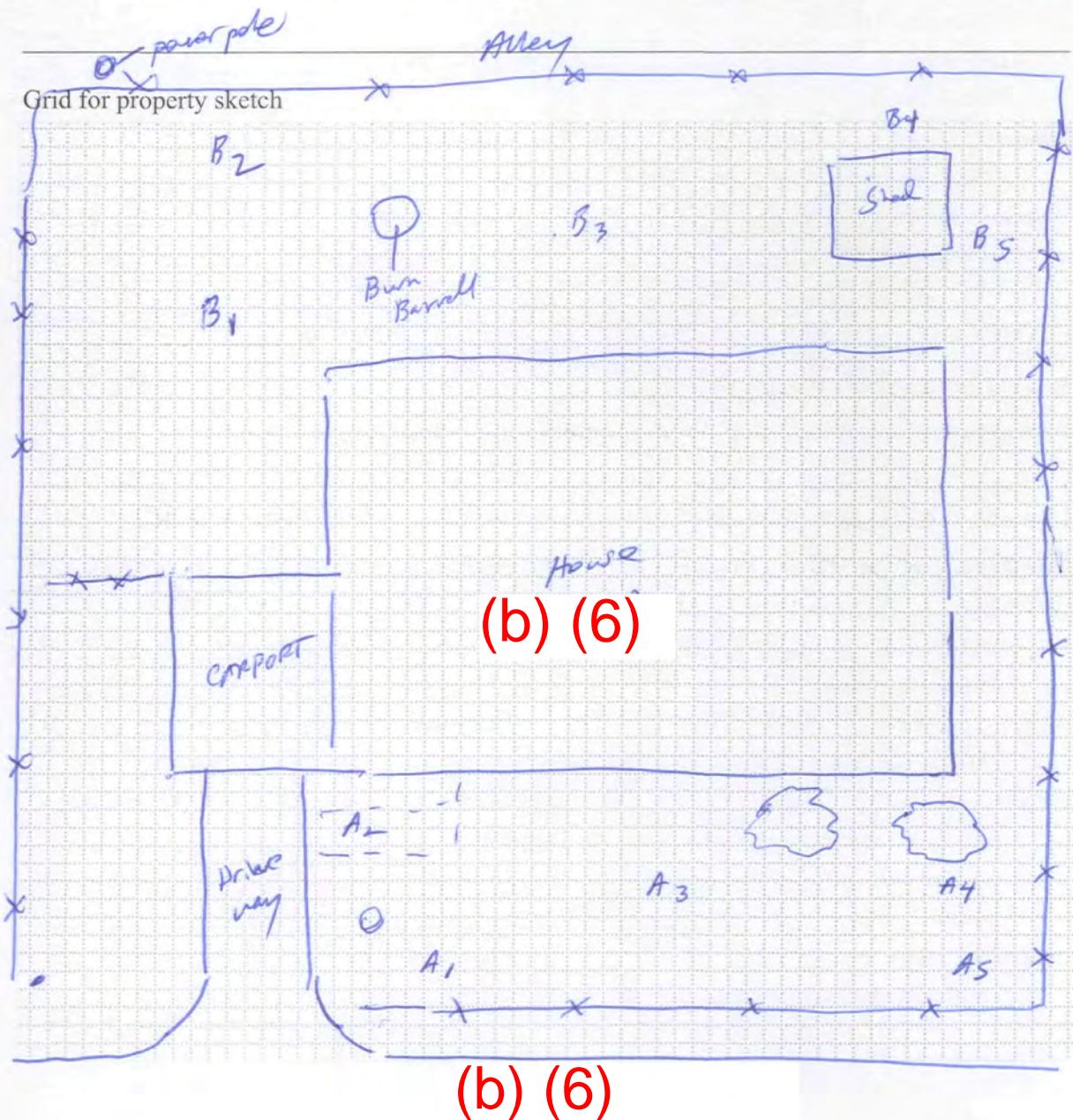
Other pertinent information (weather conditions, etc.):

42°F, sunny, wind NW @ 5 mph

PROPERTY COMMENTS:

No resident @ home.

Split samples w/ C. Troiano (coms).



STATION ID: CV0826A SAMPLE ID: CV0826A-CS-SP
SAMPLE COLLECTION TIME: 1040

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u> or Grab	MS/MSD? Y or N
Field Duplicate or Split: <u>NO</u> Yes or No If yes, indicate Duplicate/split sample station ID: <u>CV0826A</u>	
GPS Coordinates: Trimble <u>RTK</u> Instrument #: <u>18594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55354476</u> N Longitude <u>86.79735087</u> W	
Media description: <u>brown silt moist</u>	
Aliquot #2 Latitude: <u>33.55352322</u> N Longitude <u>86.79733333</u> W	
Media description: <u>sand as #1</u>	
Aliquot #3: Latitude: <u>33.55355883</u> N Longitude <u>86.79736084</u> W	
Media description: <u>sand as #1</u>	
Aliquot #4: Latitude: <u>33.55353702</u> N Longitude <u>86.79742008</u> W	
Media description: <u>sand as #1</u>	
Aliquot #5: Latitude: <u>33.55356347</u> N Longitude <u>86.79742310</u> W	
Media description: <u>sand as #1</u>	

STATION ID: CV0826B SAMPLE ID: CV0826B-CS-SP

SAMPLE COLLECTION TIME: 1051

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u> or Grab	MS/MSD? Y or N
Field Duplicate or Split: <u>NO</u> Yes or No If yes, indicate Duplicate/split sample station ID: <u>CV0826B</u>	
GPS Coordinates: Trimble <u>RTK</u> Instrument #: <u>18594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55333883</u> N Longitude <u>86.79730223</u> W	
Media description: <u>dk brown silt moist</u>	
Aliquot #2 Latitude: <u>33.55325985</u> N Longitude <u>86.79730433</u> W	
Media description: <u>sand as #1</u>	
Aliquot #3: Latitude: <u>33.55329411</u> N Longitude <u>86.79735640</u> W	
Media description: <u>sand as #1</u>	
Aliquot #4: Latitude: <u>33.55326615</u> N Longitude <u>86.79741517</u> W	
Media description: <u>sand as #1</u>	
Aliquot #5: Latitude: <u>33.55334549</u> N Longitude <u>86.79742534</u> W	
Media description: <u>sand as #1</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV1151

DATE: 3/14/13 ARRIVAL TIME: 1105

Other pertinent information (weather conditions, etc.):

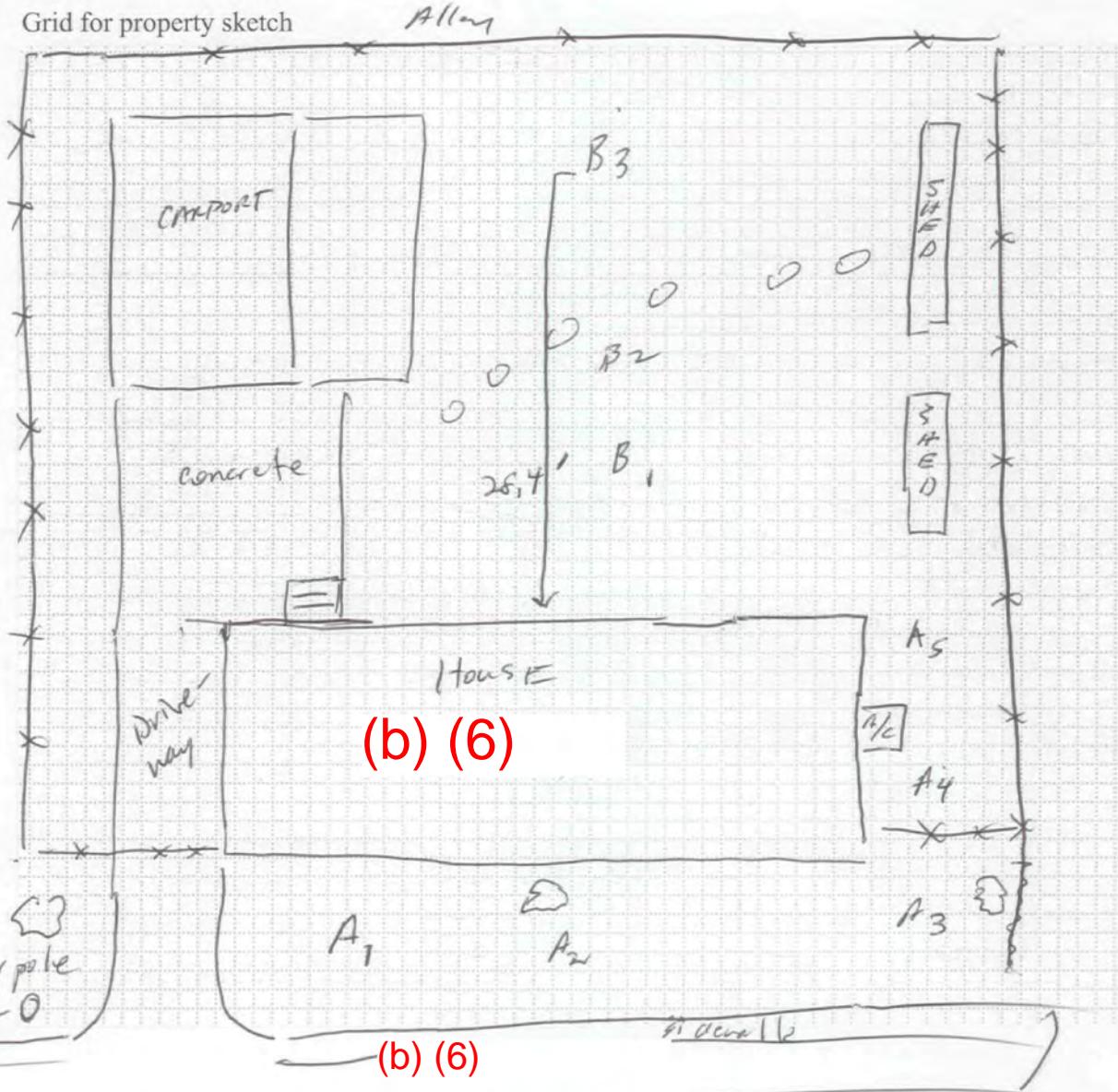
45°F, sunny, wind NW @ 0-5 mph.

PROPERTY COMMENTS:

Resident @ home.

Split samples w/ C. Troiano (cmc)

Grid for property sketch



STATION ID: CV1151A SAMPLE ID: CV1151A

SAMPLE COLLECTION TIME: 1119

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Front of

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.55114255 N Longitude 86.80131184 W
Media description: dk brown / brown silt dry
Aliquot #2: Latitude: 33.55114119 N Longitude 86.80135238 W
Media description: Sand as #1
Aliquot #3: Latitude: 33.55114834 N Longitude 86.80141138 W
Media description: Sand as #1
Aliquot #4: Latitude: 33.55105369 N Longitude 86.80142028 W
Media description: Sand as #1
Aliquot #5: Latitude: 33.551098178 N Longitude 86.80142018 W
Media description: Sand as #1

STATION ID: CV1151B SAMPLE ID: CV1151B-CS-SP

SAMPLE COLLECTION TIME: 1127

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1151B

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.55094021 N Longitude 86.80132854 W
Media description: orange/brown silt dry
Aliquot #2: Latitude: 33.55090315 N Longitude 86.80132585 W
Media description: Sand as #1
Aliquot #3: Latitude: 33.55086299 N Longitude 86.80132893 W
Media description: Sand as #1
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0353

DATE: 3/14/13

ARRIVAL TIME: 1225

Other pertinent information (weather conditions, etc.):

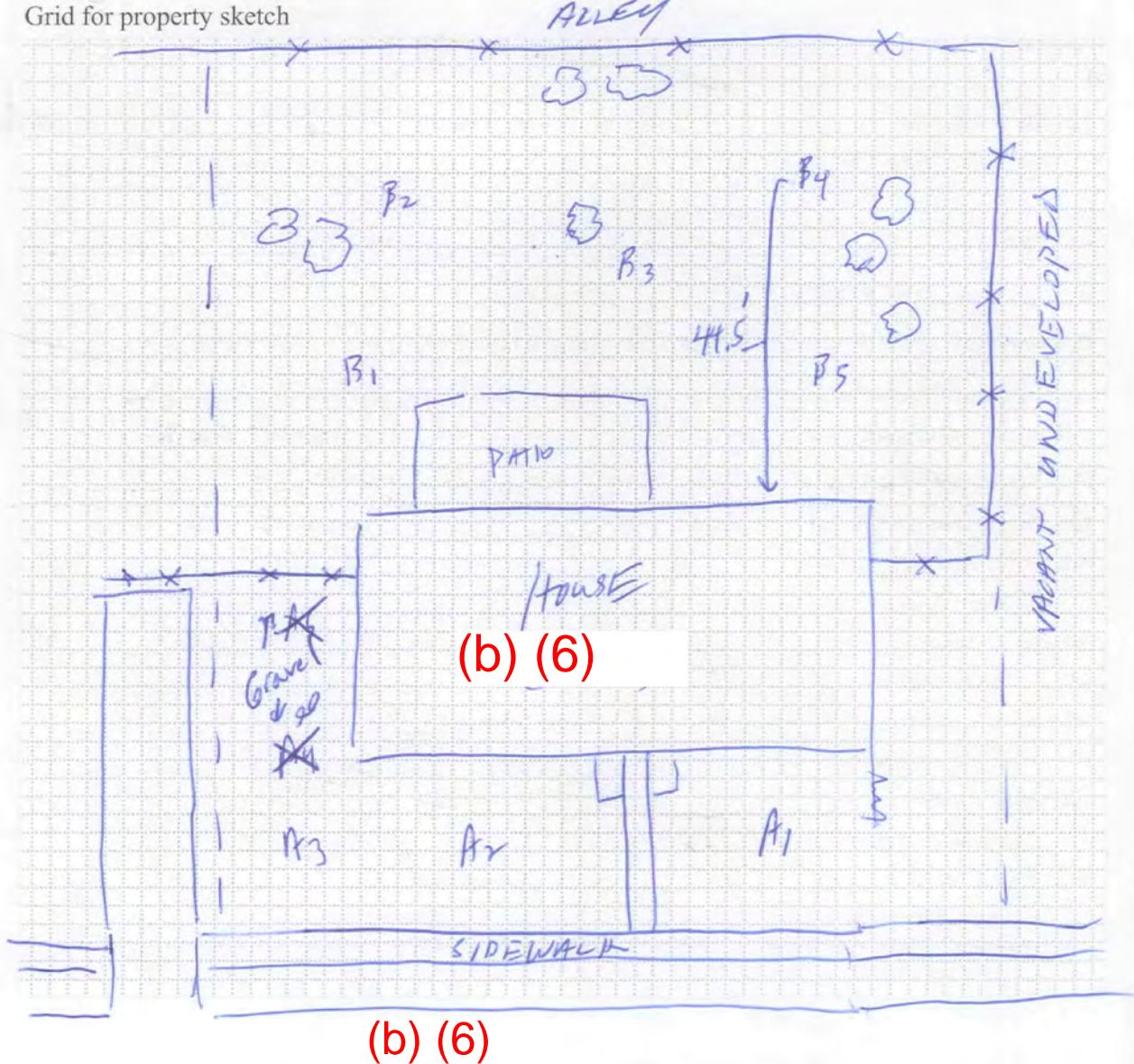
79°F, sunny, wind NW @ 0-5 mph

PROPERTY COMMENTS:

No resident @ home.

Split samples w/ C. Troiano (Gmc).

Grid for property sketch



STATION ID: CV0353A SAMPLE ID: CV0353A-CS-SP

SAMPLE COLLECTION TIME: 1238

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0353A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude:	<u>33.55432358</u>		N Longitude	<u>86.79938794</u> W	
Media description:	<u>dk brn silty clay dry sm. coal fragmets</u>				
Aliquot #2 Latitude:	<u>33.55437329</u>		N Longitude	<u>86.799388374</u> W	
Media description:	<u>sand as #1</u>				
Aliquot #3: Latitude:	<u>33.55442298</u>		N Longitude	<u>86.79938168</u> W	
Media description:	<u>sand as #1</u>				
Aliquot #4: Latitude:			N Longitude		
Media description:					
Aliquot #5: Latitude:			N Longitude		
Media description:					

STATION ID: CV0353B SAMPLE ID: CV0353B-CS-SP

SAMPLE COLLECTION TIME: 1250

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude:	<u>33.55439500</u>		N Longitude	<u>86.79918886</u> W	
Media description:	<u>dk brn silty clay moist</u>				
Aliquot #2 Latitude:	<u>33.55439321</u>		N Longitude	<u>86.79905112</u> W	
Media description:	<u>sand as #1</u>				
Aliquot #3: Latitude:	<u>33.55439150</u>		N Longitude	<u>86.79912210</u> W	
Media description:	<u>sand as #1</u>				
Aliquot #4: Latitude:	<u>33.55434108</u>		N Longitude	<u>86.79904725</u> W	
Media description:	<u>sand as #1</u>				
Aliquot #5: Latitude:	<u>33.55432752</u>		N Longitude	<u>86.79919267</u> W	
Media description:	<u>sand as #1</u>				

(b) (6)

ADDRESS: _____ PROPERTY ID: C20865
DATE: 3/14/13 ARRIVAL TIME: 1300

Other pertinent information (weather conditions, etc.):

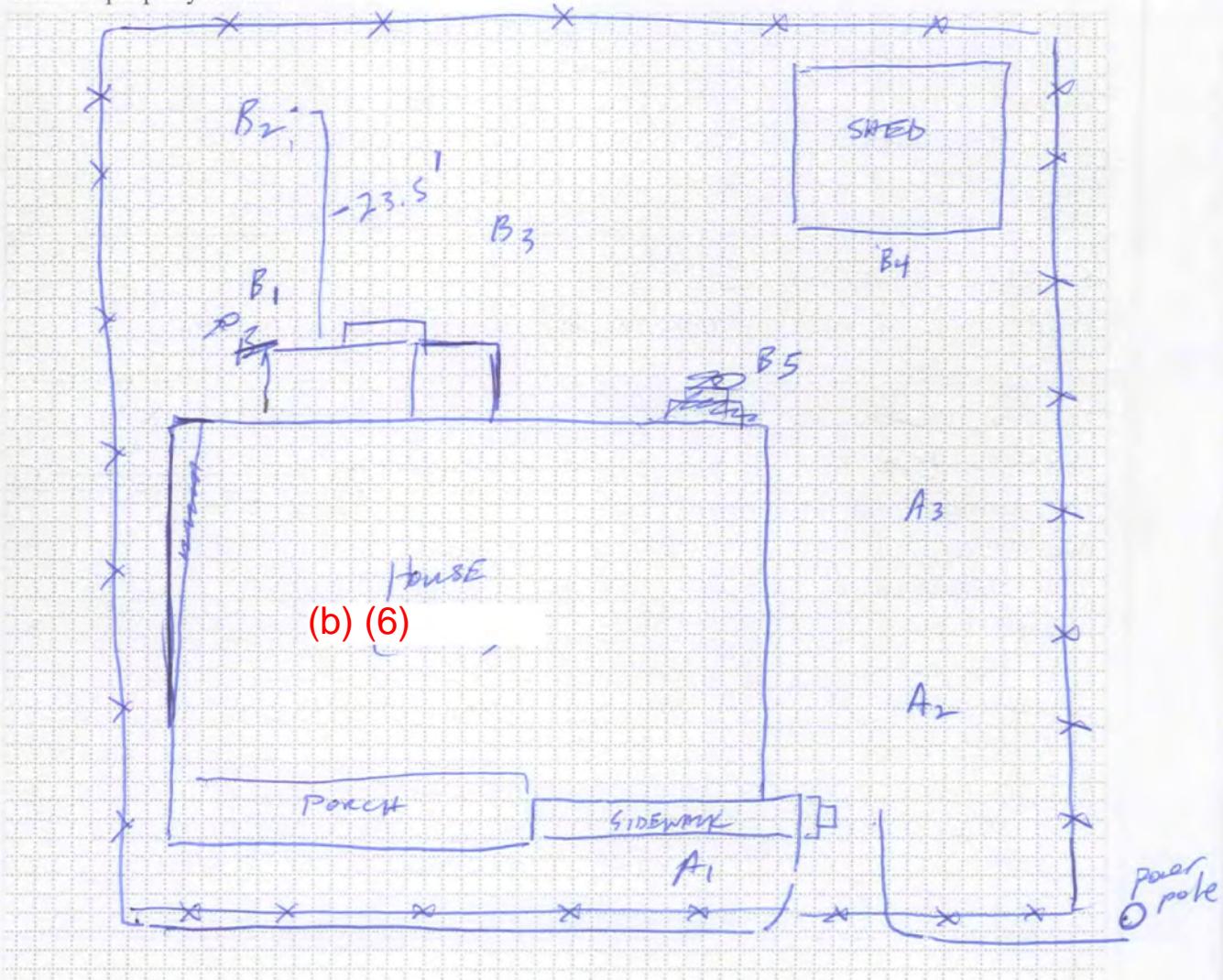
50°F, sunny, no wind

PROPERTY COMMENTS:

Resident @ home.

C. Troiano (6mc) splits sample

Grid for property sketch



STATION ID: CV0865A SAMPLE ID: CV0865A-CS-SP

SAMPLE COLLECTION TIME: 1310

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front & side yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0865A

GPS Coordinates: Trimble X Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33,55383753 N Longitude 86.79992201 W
Media description: brown silty clay
Aliquot #2: Latitude: 33,55387327 N Longitude 86.79996712 W
Media description: brown silty clay w/ coal fragments
Aliquot #3: Latitude: 33,55387502 N Longitude 86.80003335 W
Media description: Same as #2
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

STATION ID: CV0865B SAMPLE ID: CV0865B-CS-SP

SAMPLE COLLECTION TIME: 1322

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble X Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33,55380568 N Longitude 86.80009897 W
Media description: brown/orange silt w/ coal fragments
Aliquot #2: Latitude: 33,55379983 N Longitude 86.80015823 W
Media description: Same as #1
Aliquot #3: Latitude: 33,55382393 N Longitude 86.80012762 W
Media description: Same as #1
Aliquot #4: Latitude: 33,55385332 N Longitude 86.80014605 W
Media description: Same as #1
Aliquot #5: Latitude: 33,55385464 N Longitude 86.80007578 W
Media description: Same as #1

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0770
DATE: 3/14/13 ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

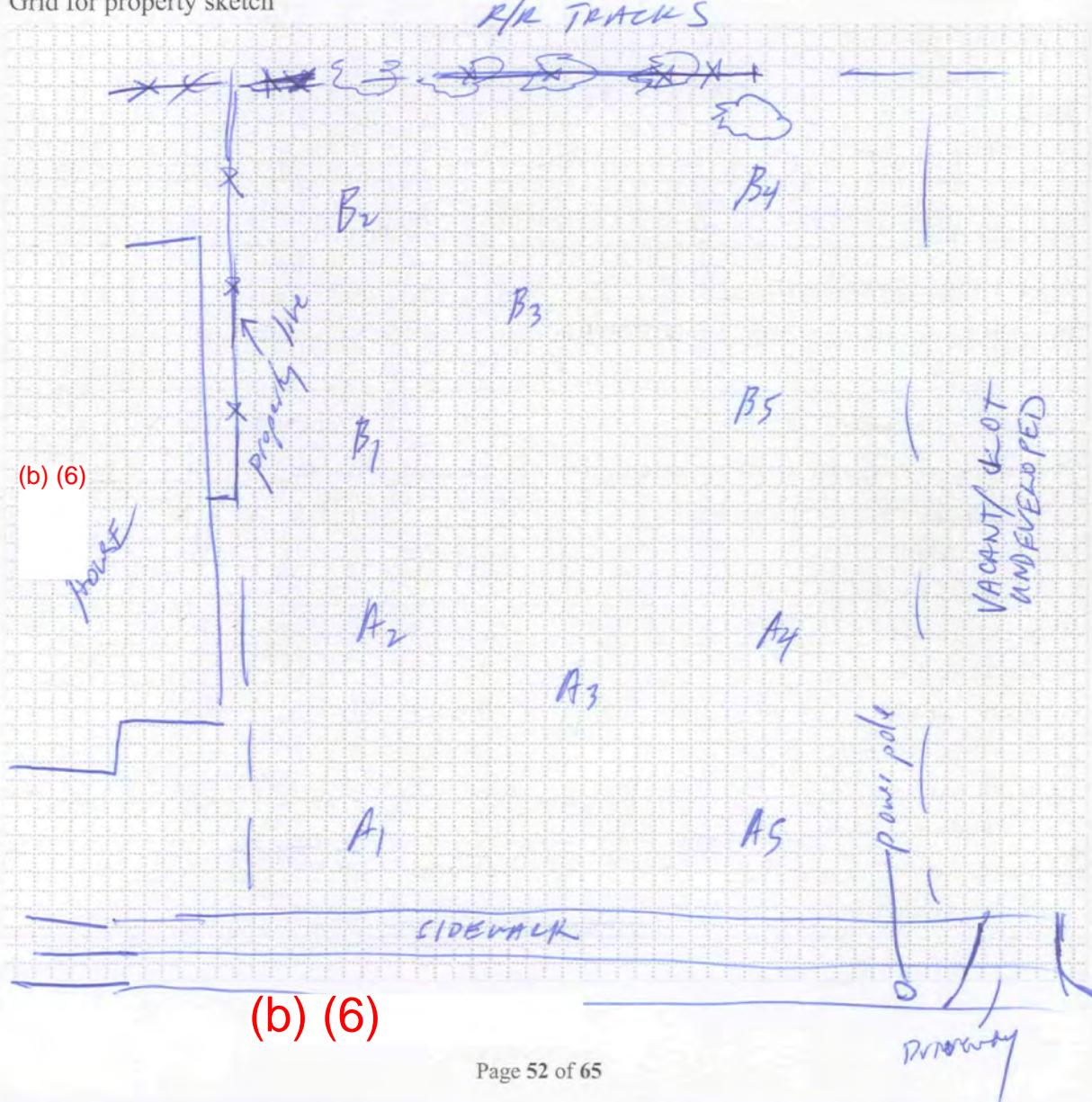
52°F, sunny, no wind

PROPERTY COMMENTS:

vacant undeveloped lot

C. Troiano (Cmc) splits samples

Grid for property sketch



STATION ID: CV0770A SAMPLE ID: CV0770A-CS-SP

SAMPLE COLLECTION TIME: 1350

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front (street side) half of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0770A

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.55323493 N Longitude 86.80326653 W
Media description: brown silt dry w/ slag
Aliquot #2 Latitude: 33.55313846 N Longitude 86.80326766 W
Media description: same as #1
Aliquot #3: Latitude: 33.55317775 N Longitude 86.80330671 W
Media description: same as #1
Aliquot #4: Latitude: 33.55314212 N Longitude 86.80334486 W
Media description: orange clay dry
Aliquot #5: Latitude: 33.55323968 N Longitude 86.80333881 W
Media description: same as #1

STATION ID: CV0770B SAMPLE ID: CV0770B-CS-SP

SAMPLE COLLECTION TIME: 1400

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back 1/2 of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0770B

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33.553208818 N Longitude 86.803277921 W
Media description: dk brown silty clay
Aliquot #2 Latitude: 33.55313846 N Longitude 86.80326766 W
Media description: dk same as #1
Aliquot #3: Latitude: 33.55317775 N Longitude 86.80330671 W
Media description: same as #1
Aliquot #4: Latitude: 33.55314212 N Longitude 86.80334486 W
Media description: same as #1
Aliquot #5: Latitude: 33.55323968 N Longitude 86.80333881 W
Media description: red/orange sandy clay dry

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0766

DATE: 3/14/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

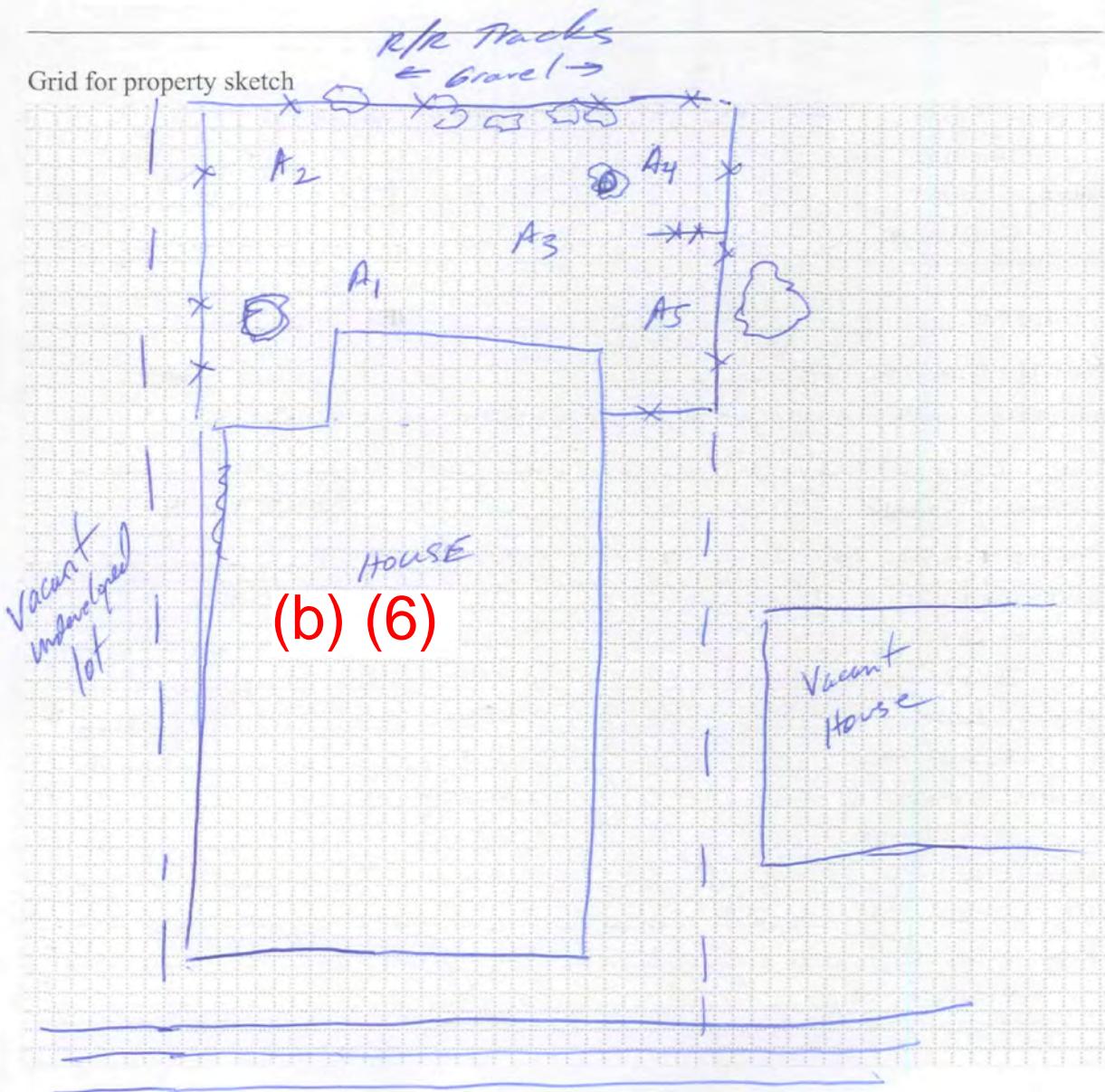
52°F, sunny, no wind to variable

PROPERTY COMMENTS:

Vacant residence.

No front yard

Grid for property sketch



STATION ID: CV0766A SAMPLE ID: 1421

SAMPLE COLLECTION TIME: 1421

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [] Instrument #:	<u>18594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude:	<u>33.55306960</u>	N Longitude <u>86.80365995</u> W
Media description:	<u>dk brown silt dry</u>	
Aliquot #2 Latitude:	<u>33.55299202</u>	N Longitude <u>86.80364726</u> W
Media description:	<u>Sand as #1</u>	
Aliquot #3: Latitude:	<u>33.55303787</u>	N Longitude <u>86.80367400</u> W
Media description:	<u>Sand as #1</u>	
Aliquot #4: Latitude:	<u>33.55299257</u>	N Longitude <u>86.80369663</u> W
Media description:	<u>Sand as #1</u>	
Aliquot #5: Latitude:	<u>33.55306560</u>	N Longitude <u>86.80369005</u> W
Media description:	<u>Sand as #1</u>	

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc): CV0766A

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0968

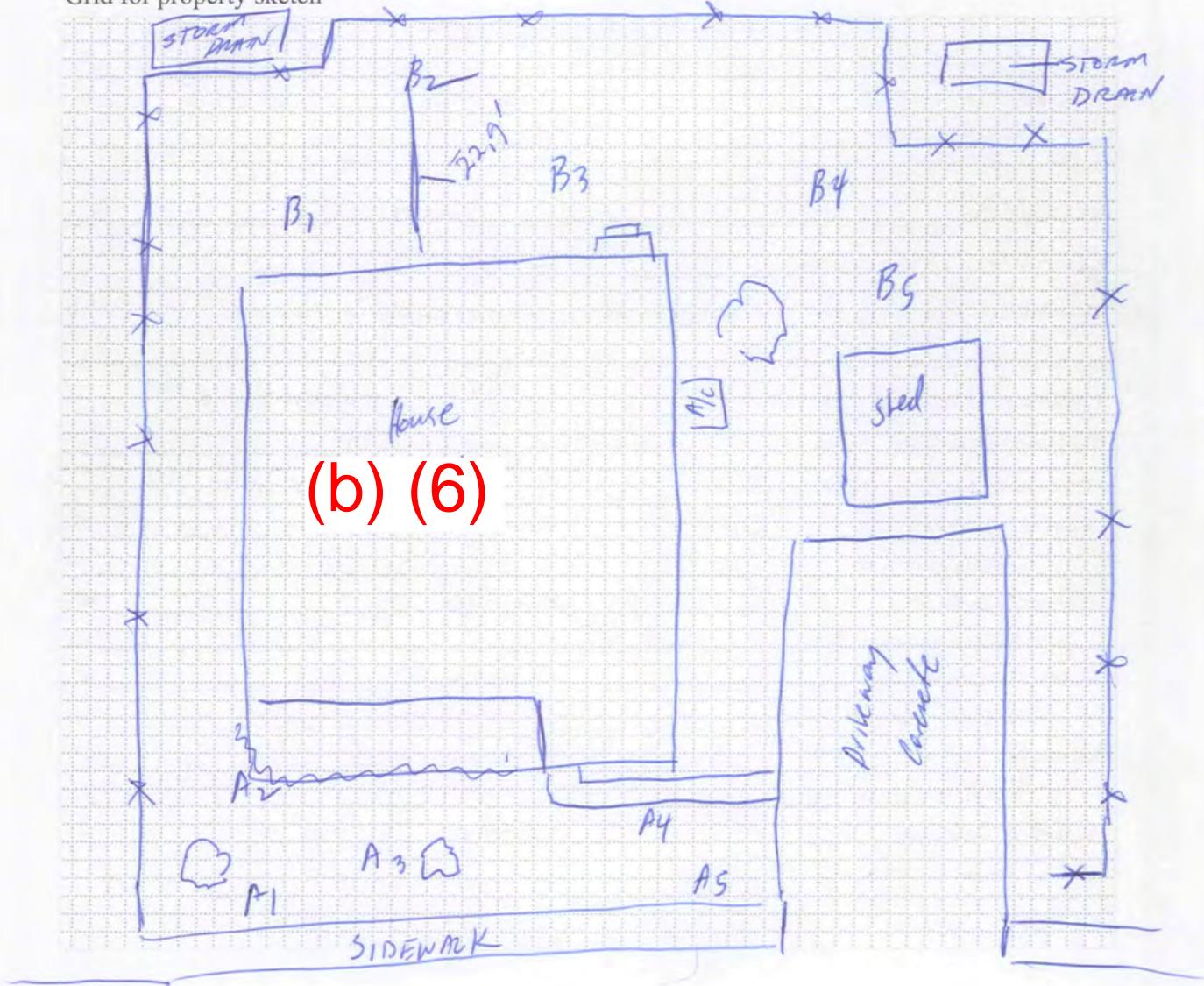
DATE: 3/14/13 ARRIVAL TIME: 1506

Other pertinent information (weather conditions, etc.):

54°F, sunny, wind NW e 0-5 MPH

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0968A SAMPLE ID: CV0968A-CS-SP

SAMPLE COLLECTION TIME: 1521

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0968A

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33, 55675843 N Longitude 86, 79680439 W
Media description: Light brown/orange silty clay dry
Aliquot #2 Latitude: 33, 55670441 N Longitude 86, 79681547 W
Media description: Same as # 1
Aliquot #3: Latitude: 33, 55674549 N Longitude 86, 7968 4313 W
Media description: same as # 1
Aliquot #4: Latitude: 33, 55672882 N Longitude 86, 79688712 W
Media description: same as # 1
Aliquot #5: Latitude: 33, 55676913 N Longitude 86, 79687775 W
Media description: same as # 1

STATION ID: CV0968B SAMPLE ID: CV0968B-CS-SP

SAMPLE COLLECTION TIME: 1531

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: 18594 Logged? or N
Aliquot #1: Latitude: 33, 55652868 N Longitude 86, 79681922 W
Media description: Light brown/orange silty clay dry
Aliquot #2 Latitude: 33, 55648137 N Longitude 86, 79682727 W
Media description: same as # 1
Aliquot #3: Latitude: 33, 55650367 N Longitude 86, 79686640 W
Media description: same as # 1
Aliquot #4: Latitude: 33, 55650789 N Longitude 86, 79691473 W
Media description: same as # 1
Aliquot #5: Latitude: 33, 55651746 N Longitude 86, 79692882 W
Media description: Same as # 1

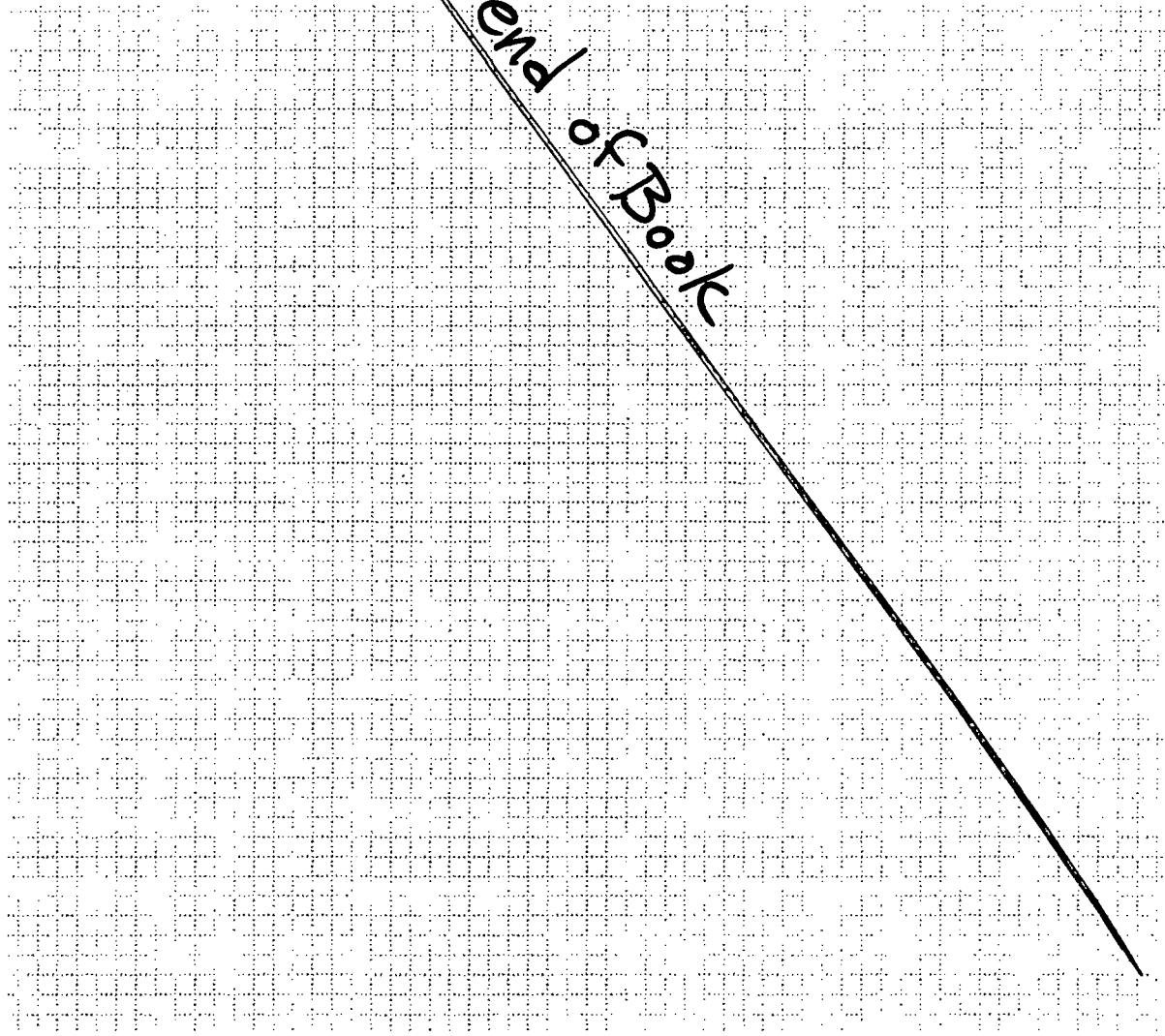
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



The remaining pages in this logbook are
blank and have not been scanned.